

Fig. 1

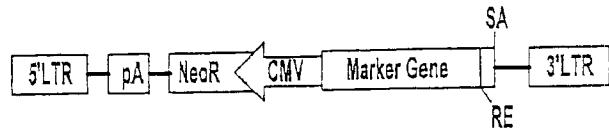


Fig. 2A

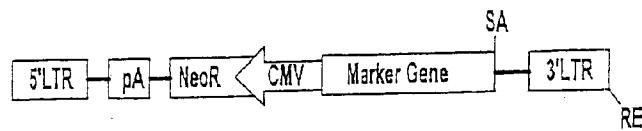


Fig. 2B

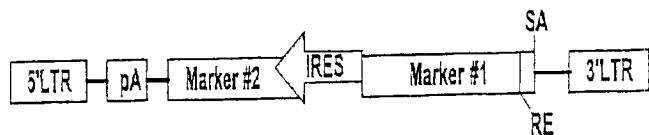


Fig. 2C

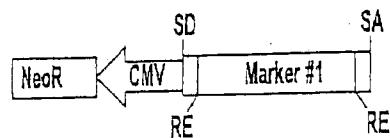


Fig. 2D

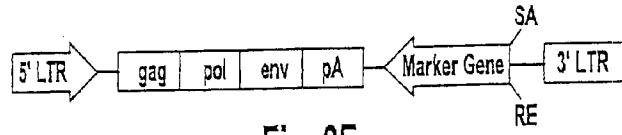


Fig. 2E

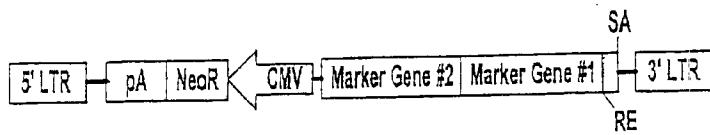


Fig. 2F

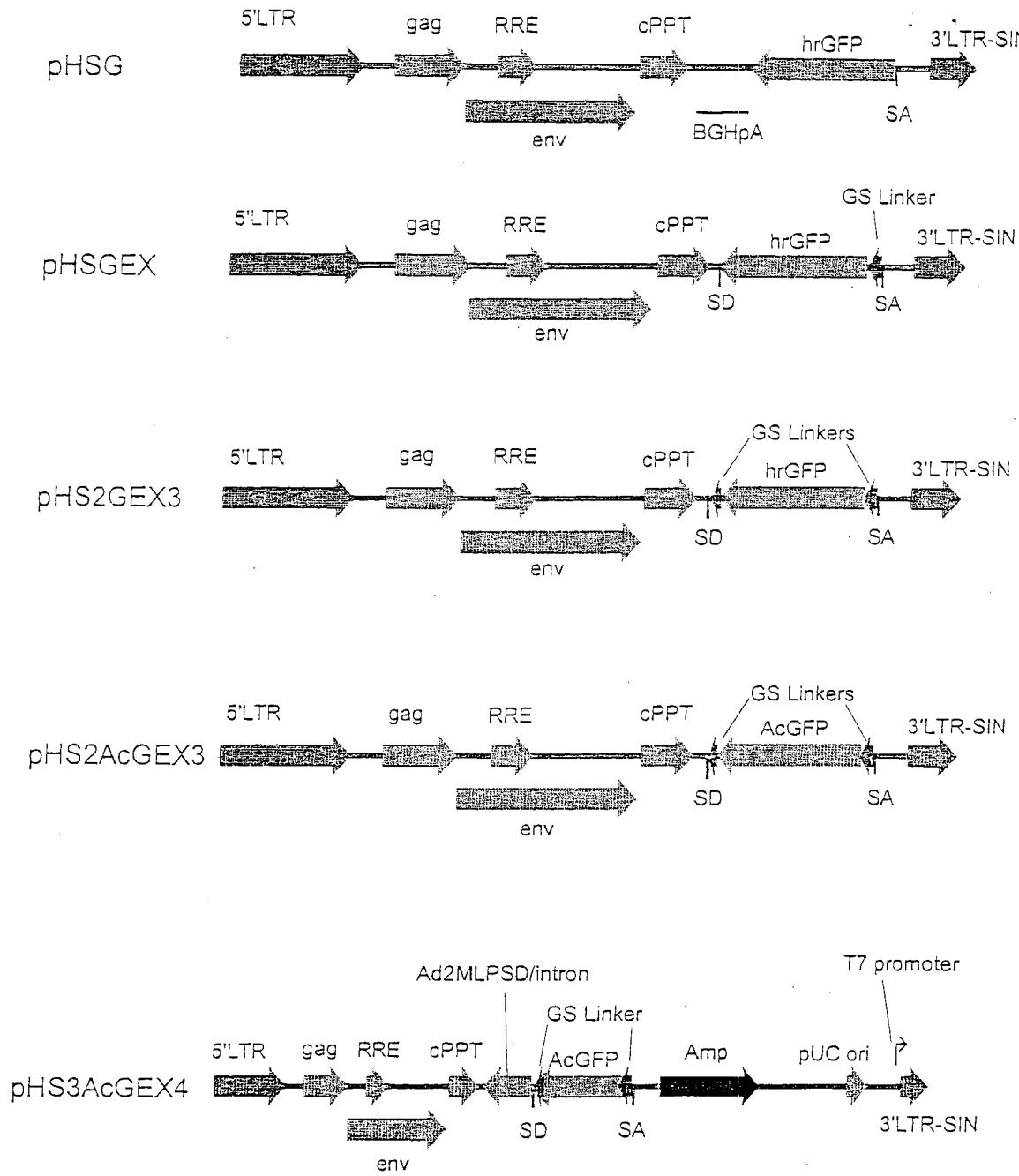
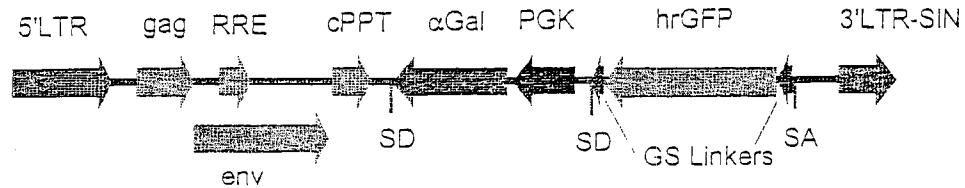
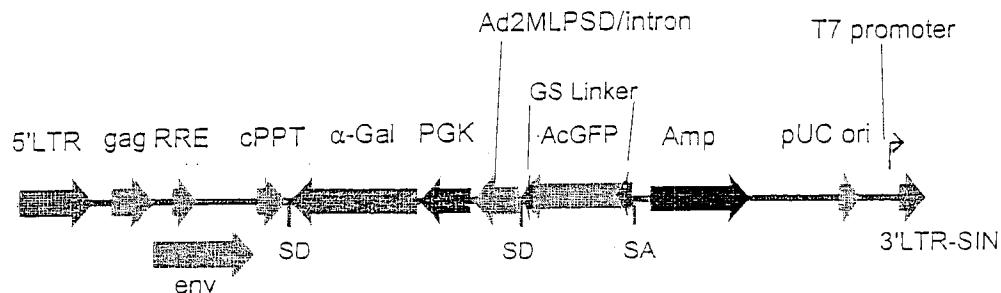


Fig 2g

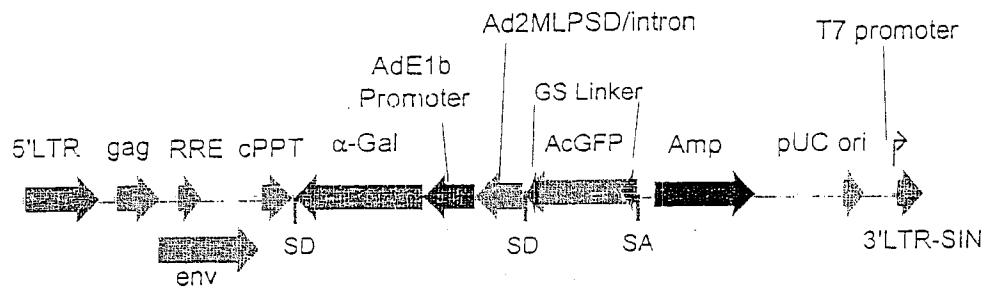
pHS2GEX3PA



pHS3AcGEX4PA



pHS3AcGEX4E1bA



pHS3AcGEX4E1bNeo

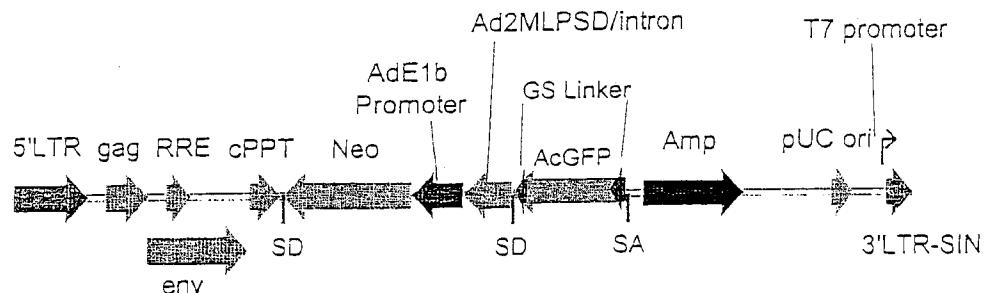


Fig 2h

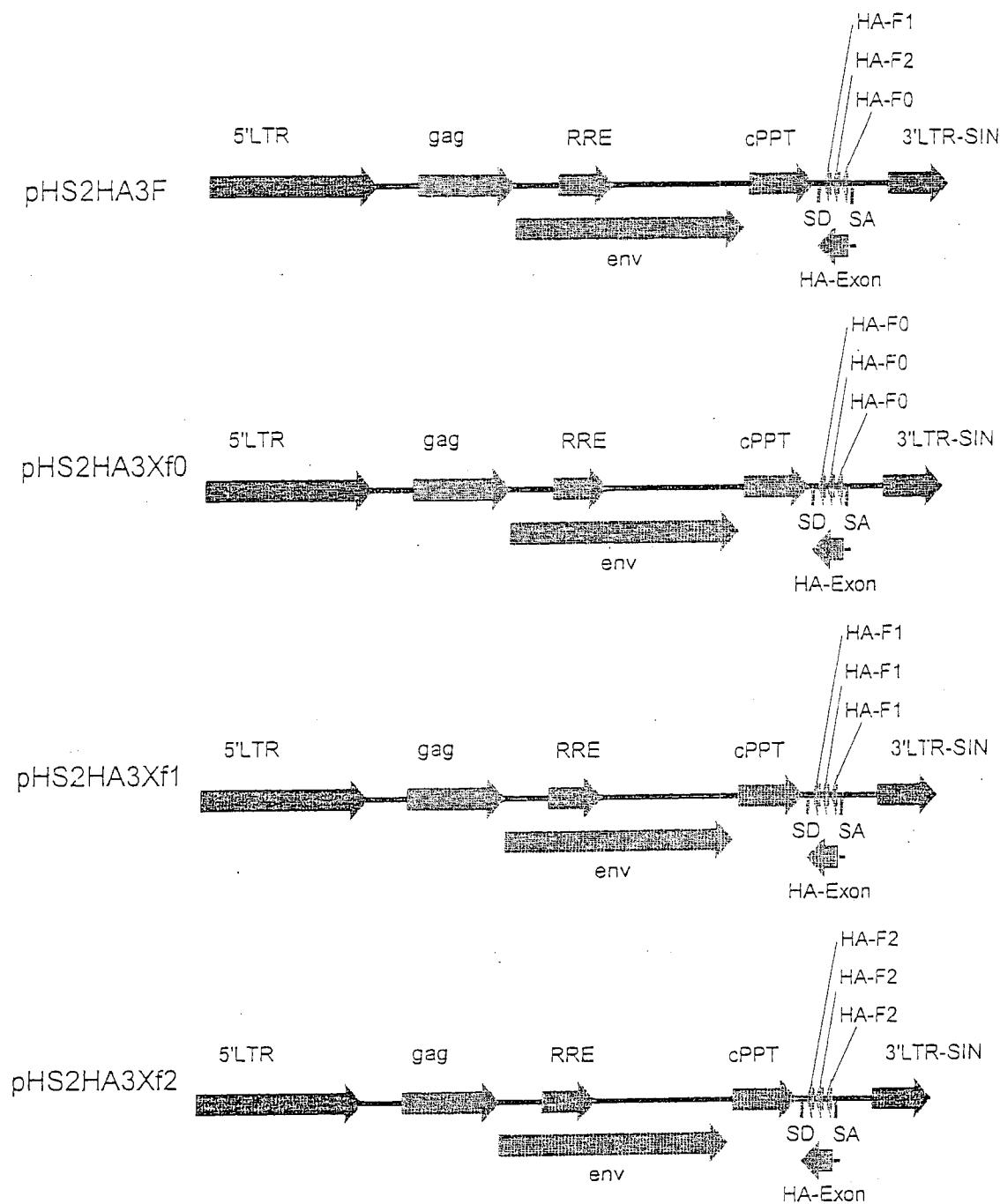


Fig 2i

Replacement Sheet

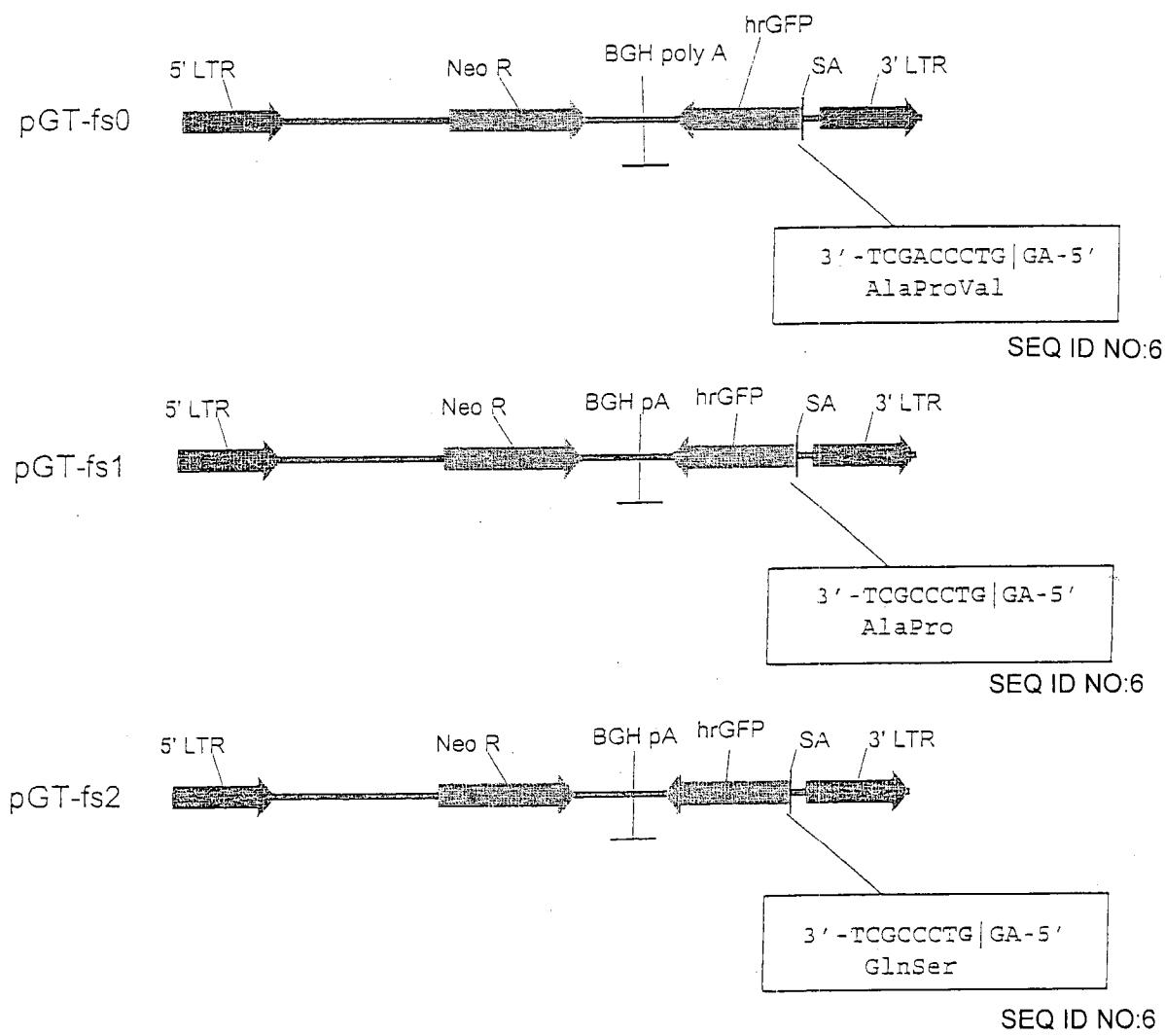


Fig 2j

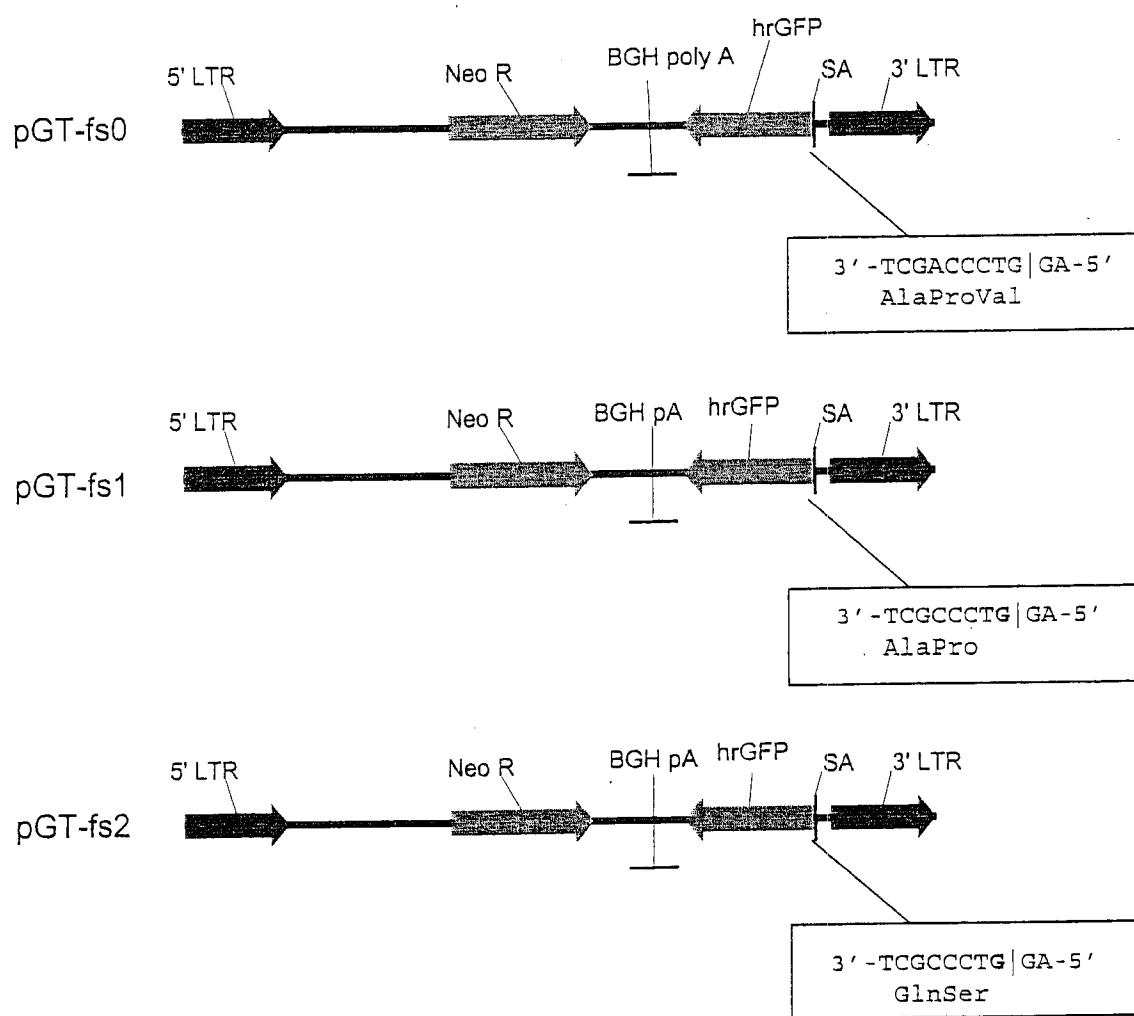


Fig 2k

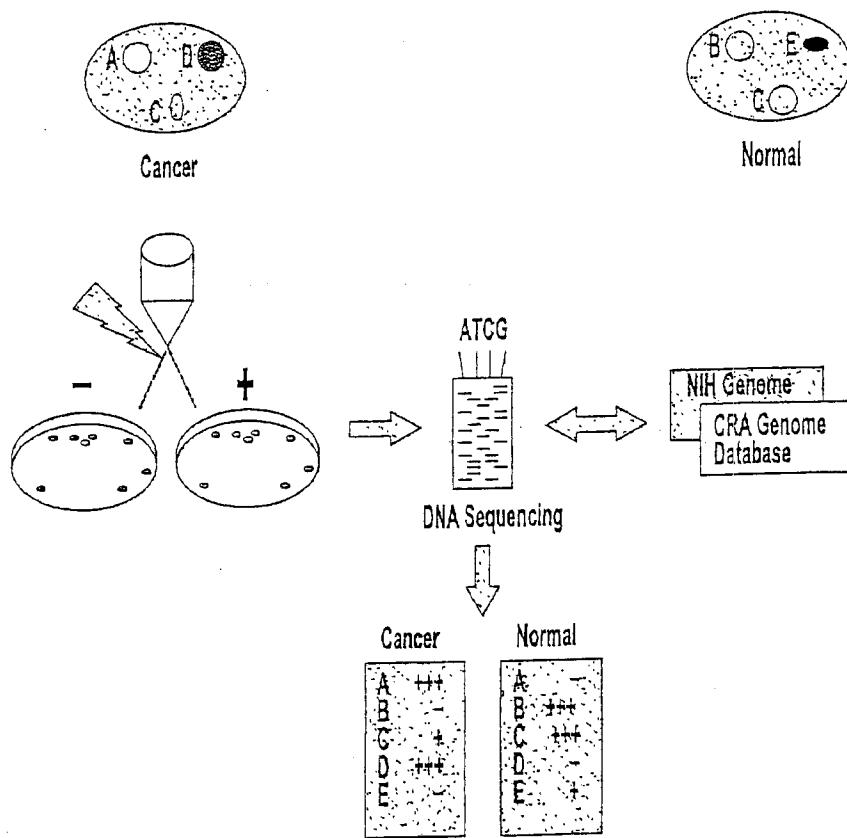


Fig.3

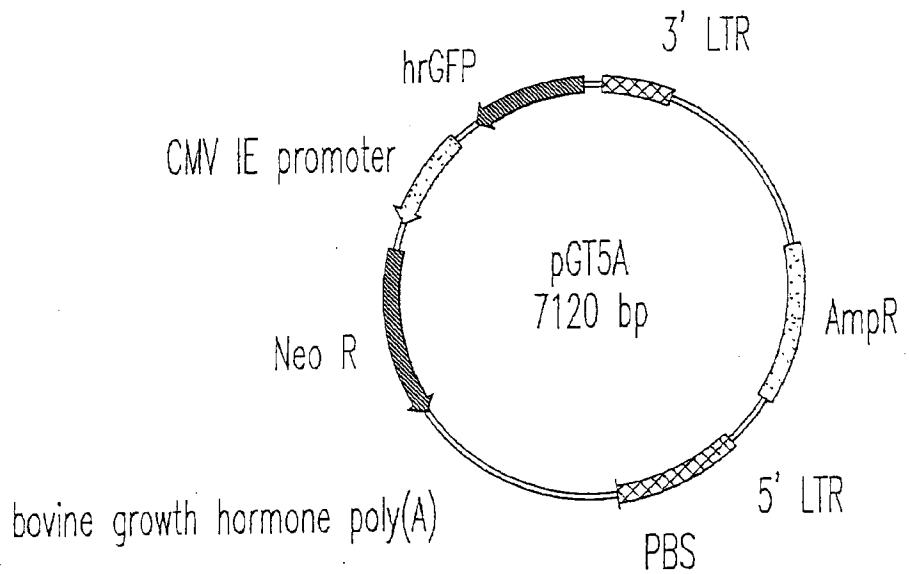


Fig. 4A

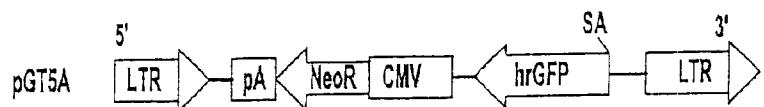


Fig. 4B

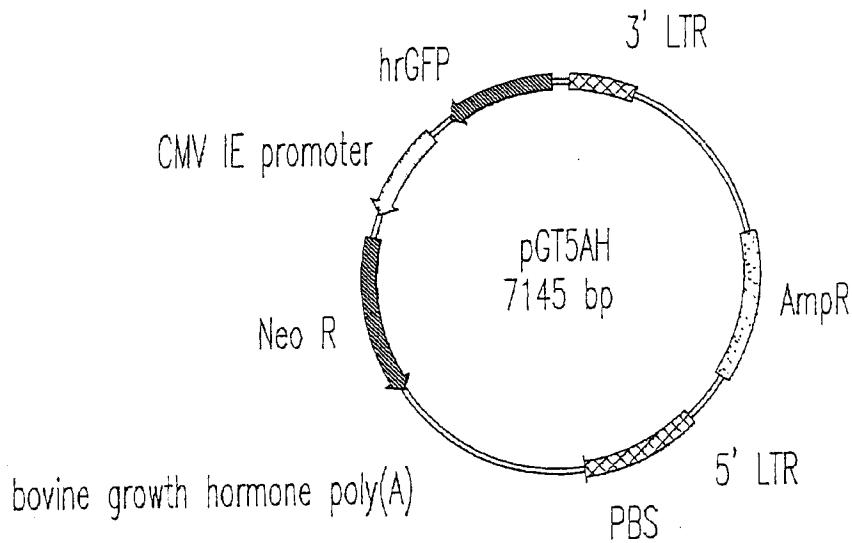


Fig. 5A

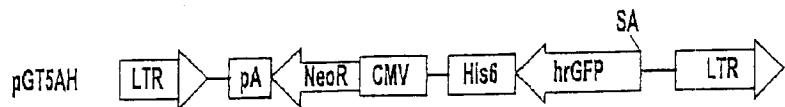


Fig. 5B

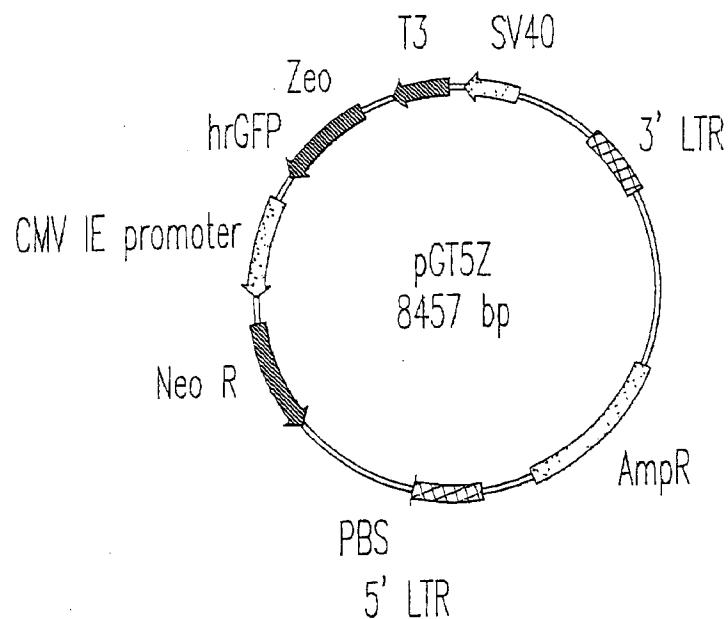


Fig. 6A

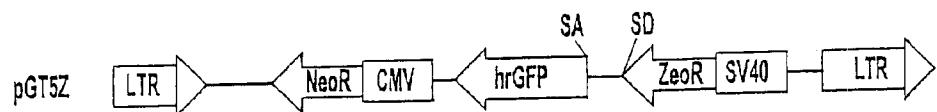


Fig. 6B

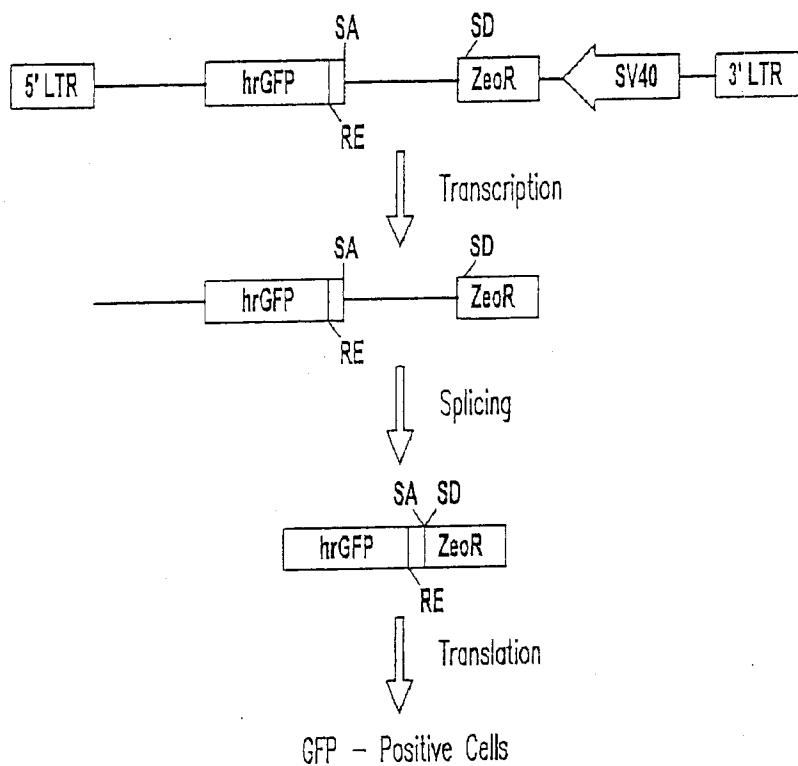


Fig. 7A

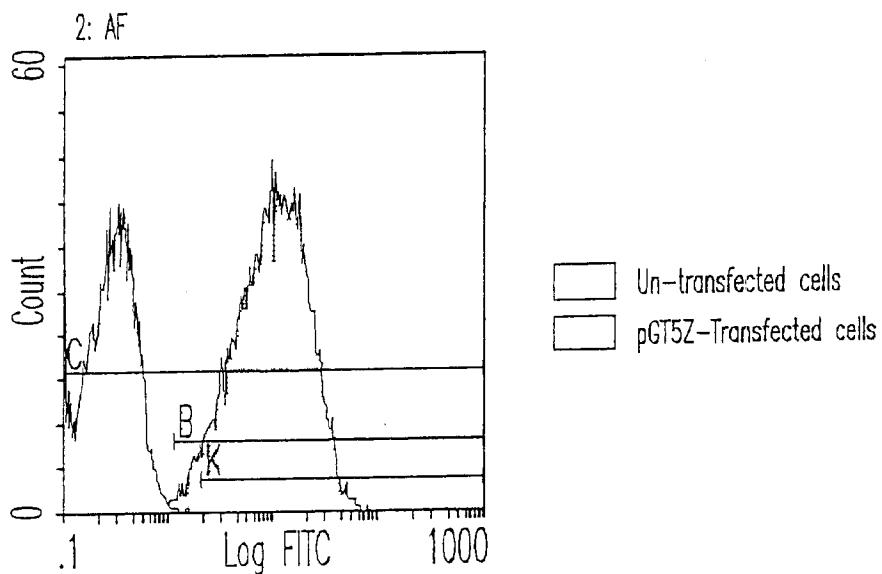


Fig. 7B

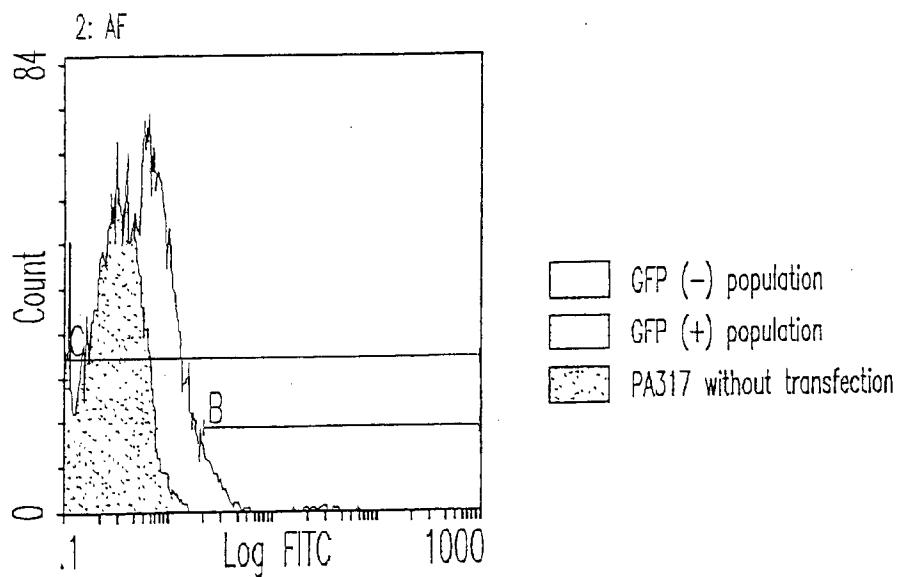


Fig. 8A

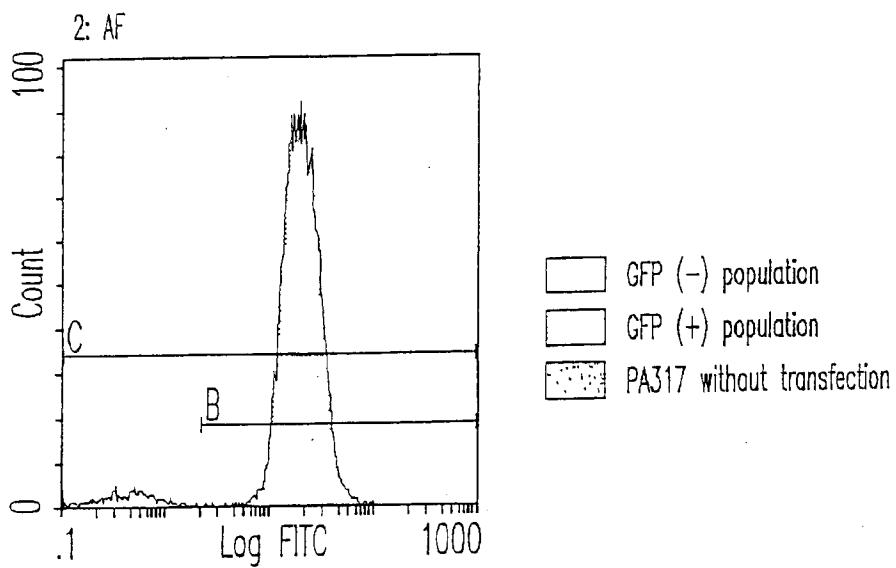


Fig. 8B

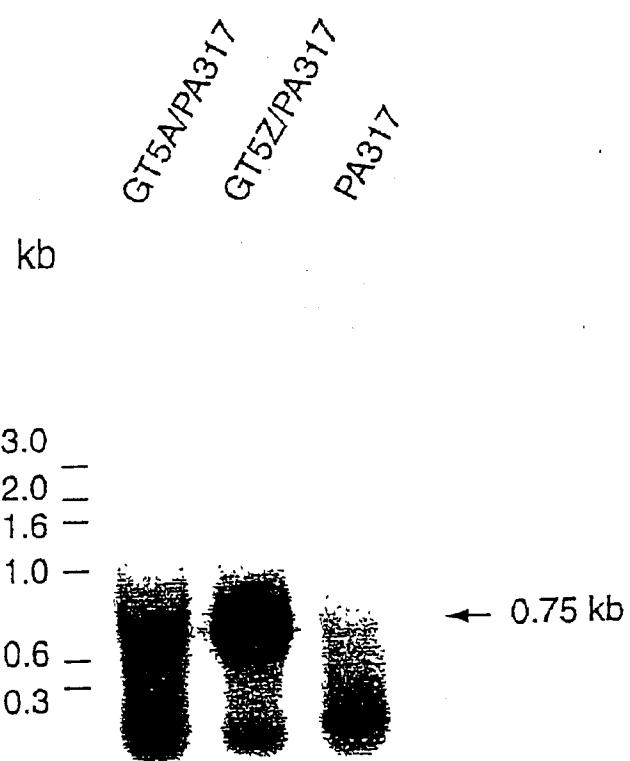


Fig. 9

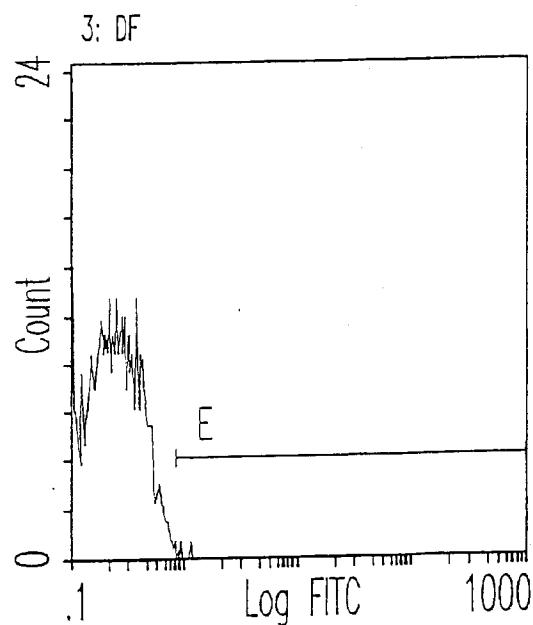


Fig. 10A

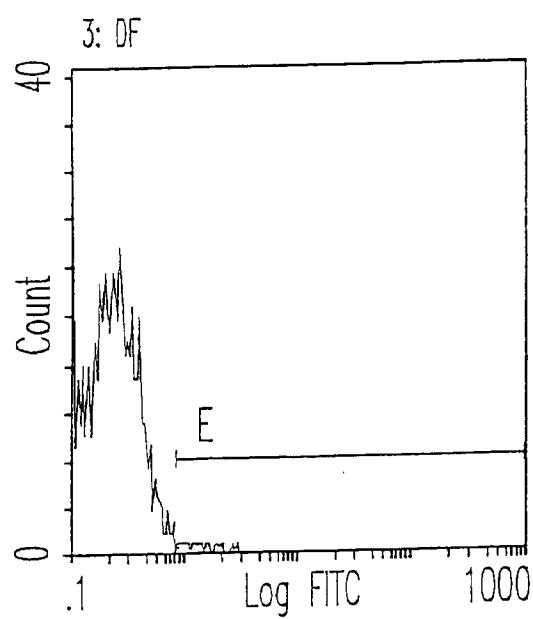


Fig. 10B

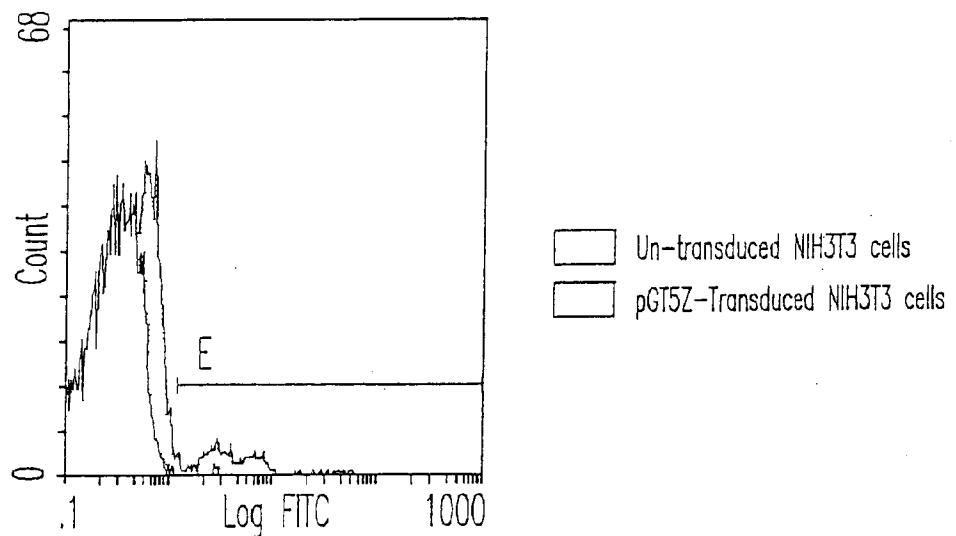
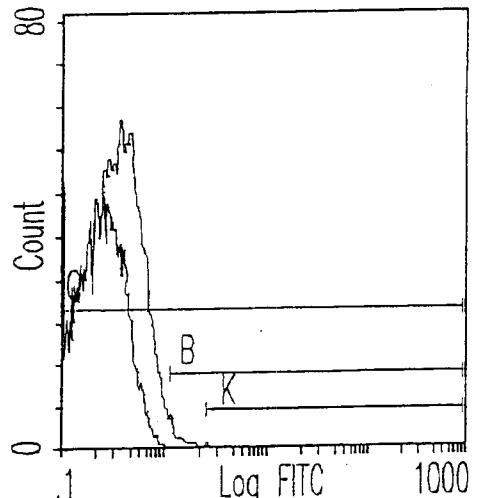
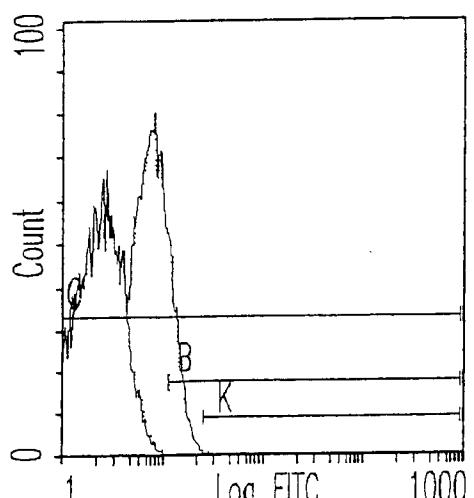
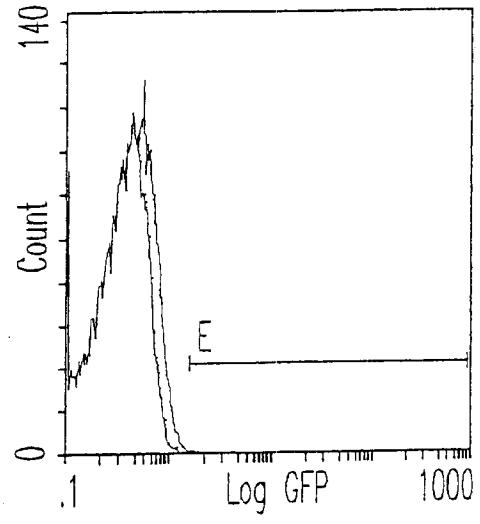
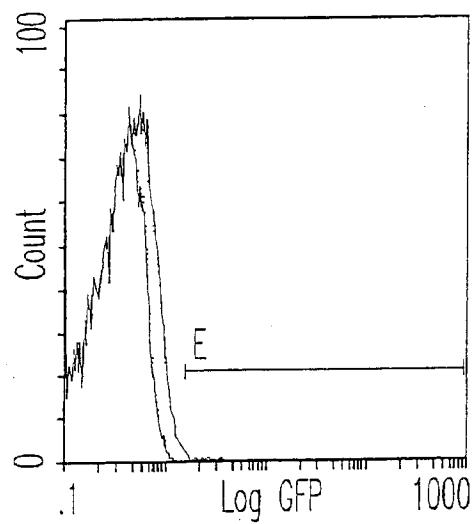


Fig. 11



■ Un-transduced NIH3T3 cells
 ■ Single-cell clones of transduced NIH3T3 cells

Fig. 12

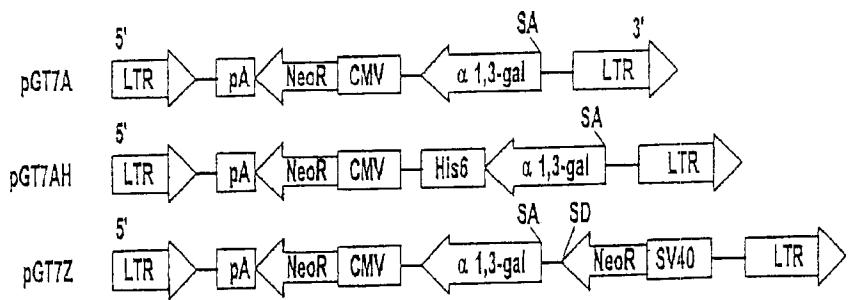


Fig. 13A

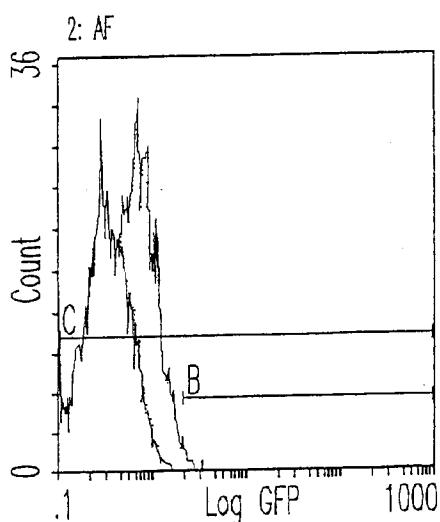


Fig. 13B

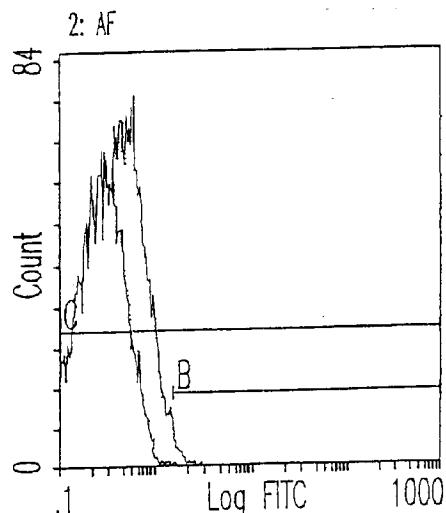


Fig. 13C

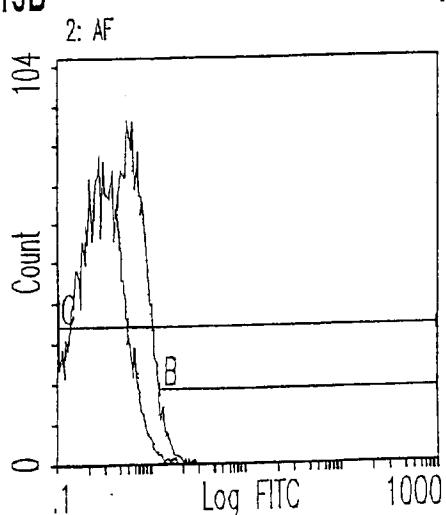
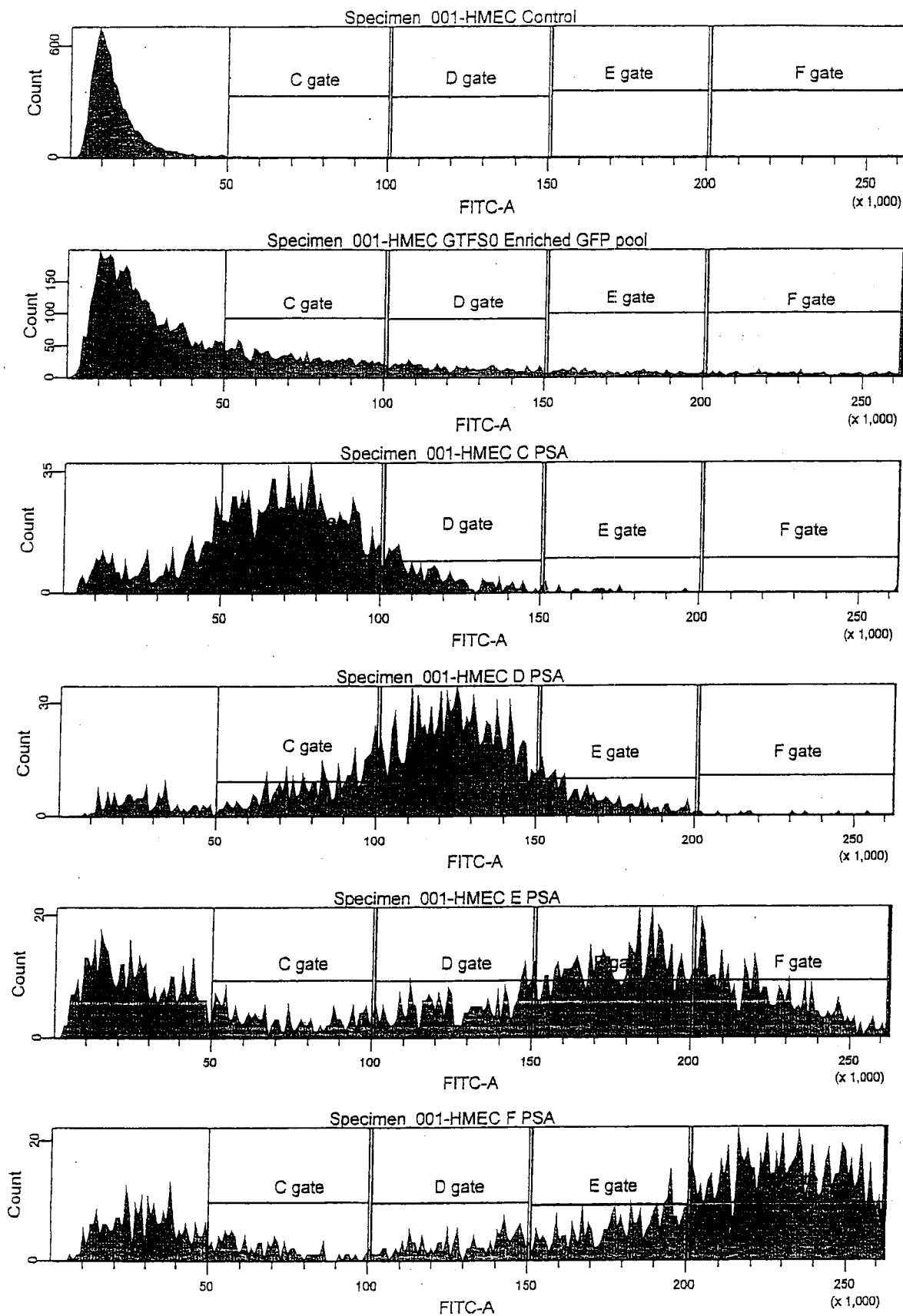
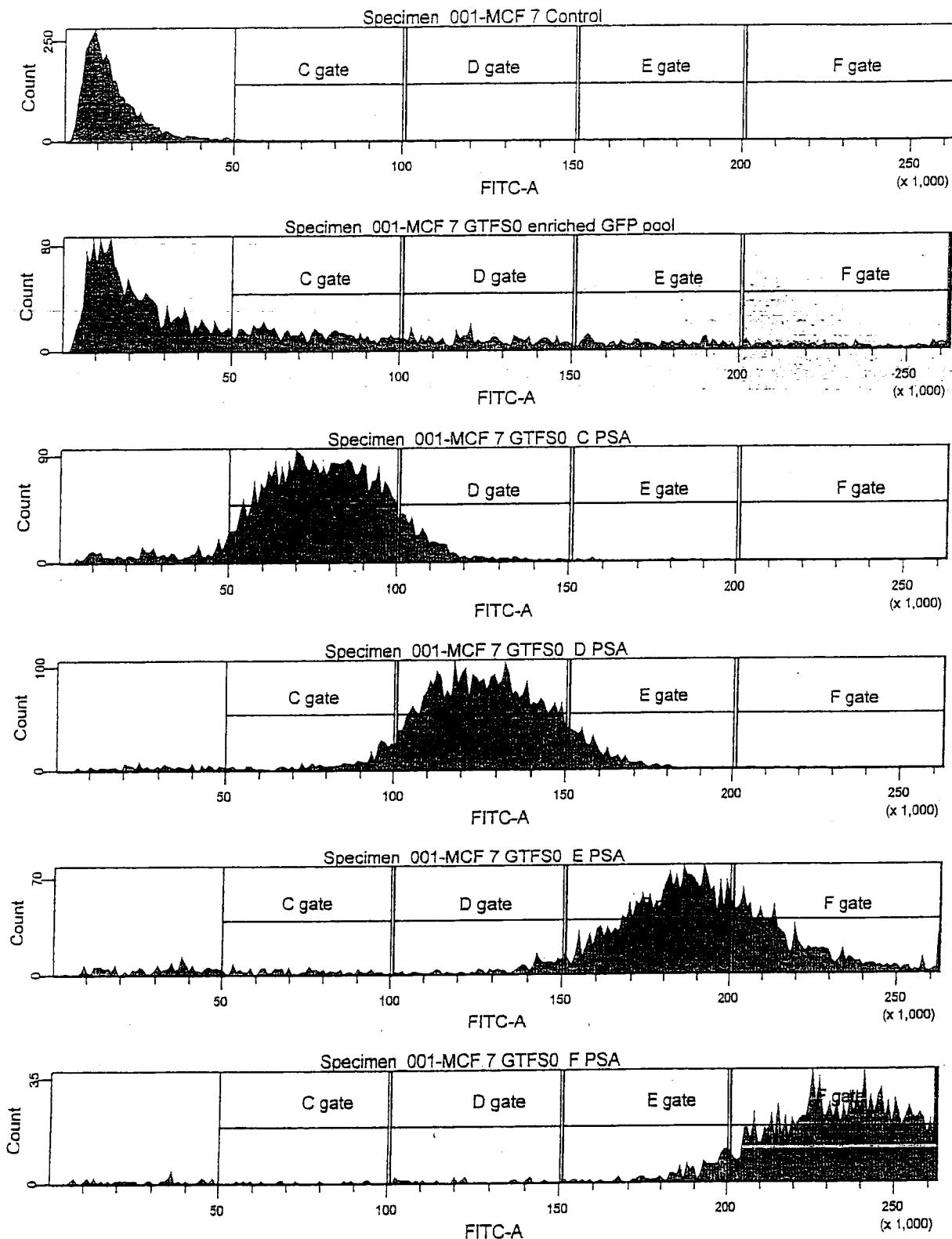


Fig. 13D

14A

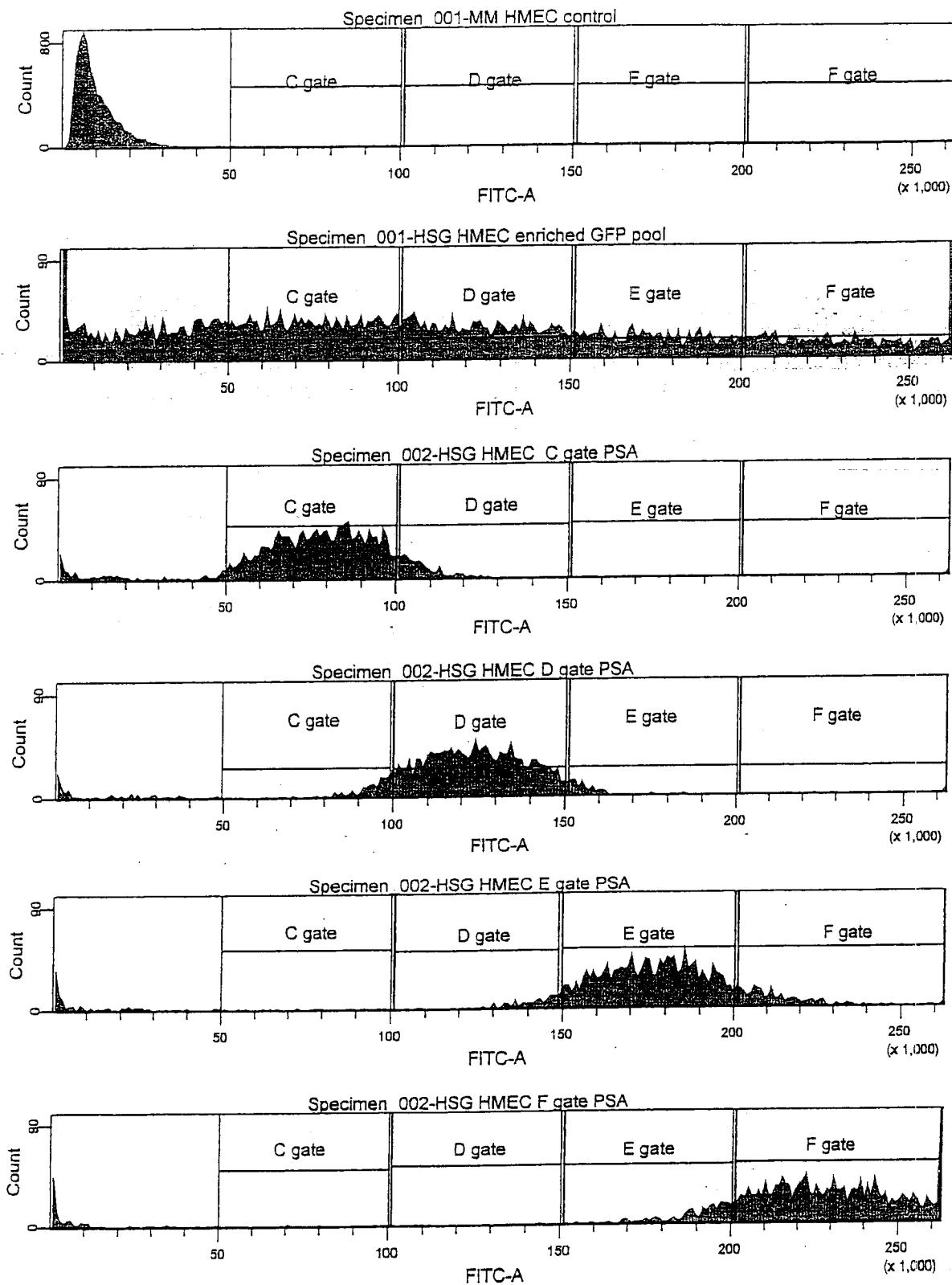


14B

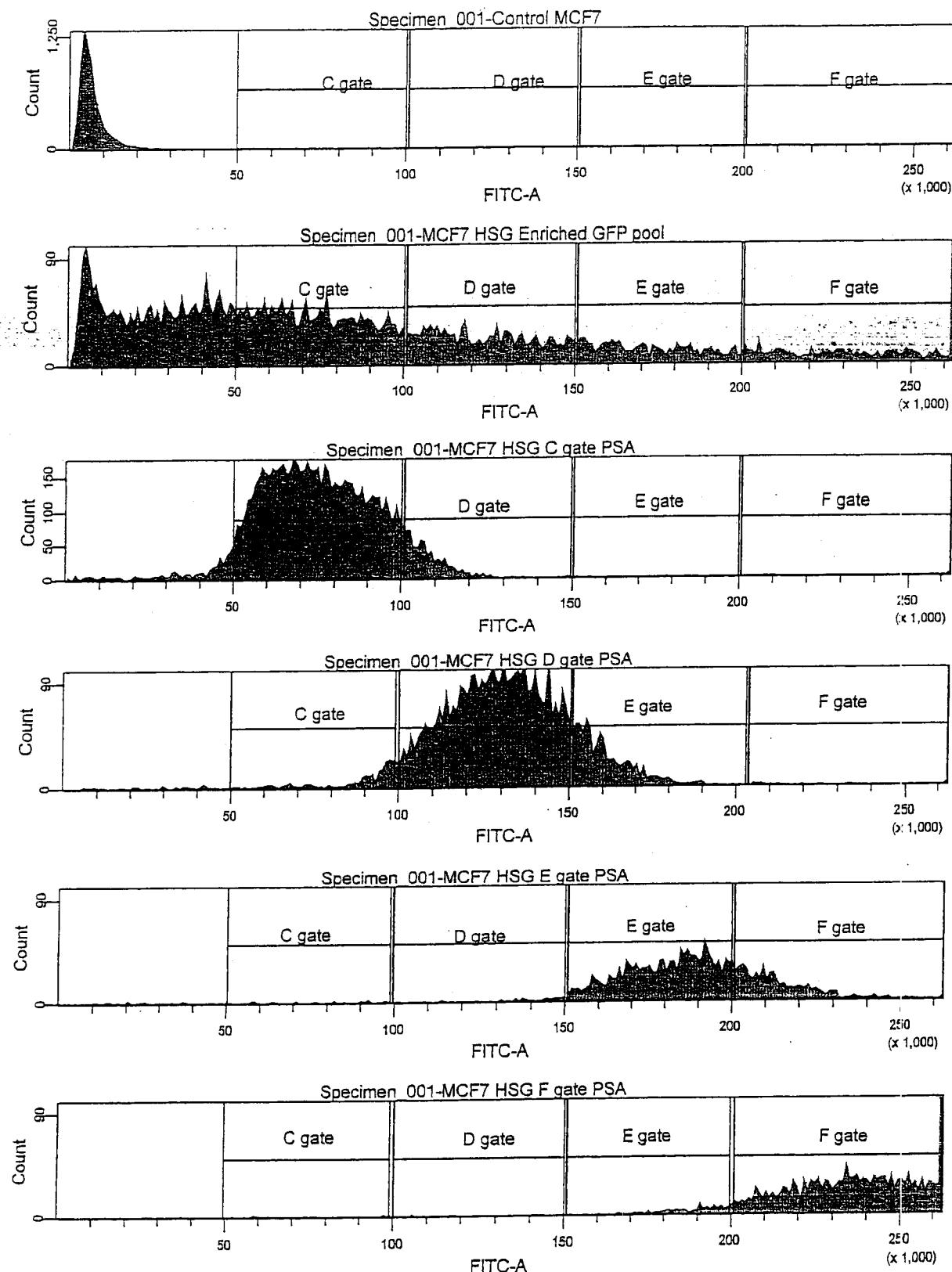


21/41

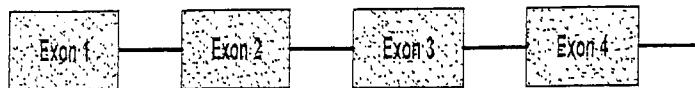
14C



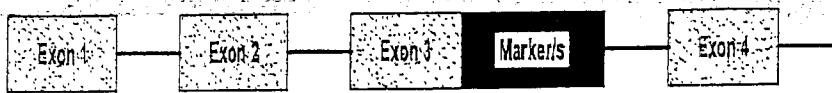
14D



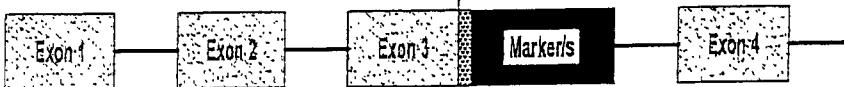
Natural genomic structure



Transfection and integration of vector/s by illegitimate recombination



1bp added to change reading frame



2bp added to change reading frame

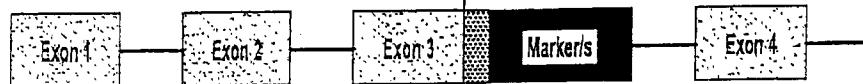
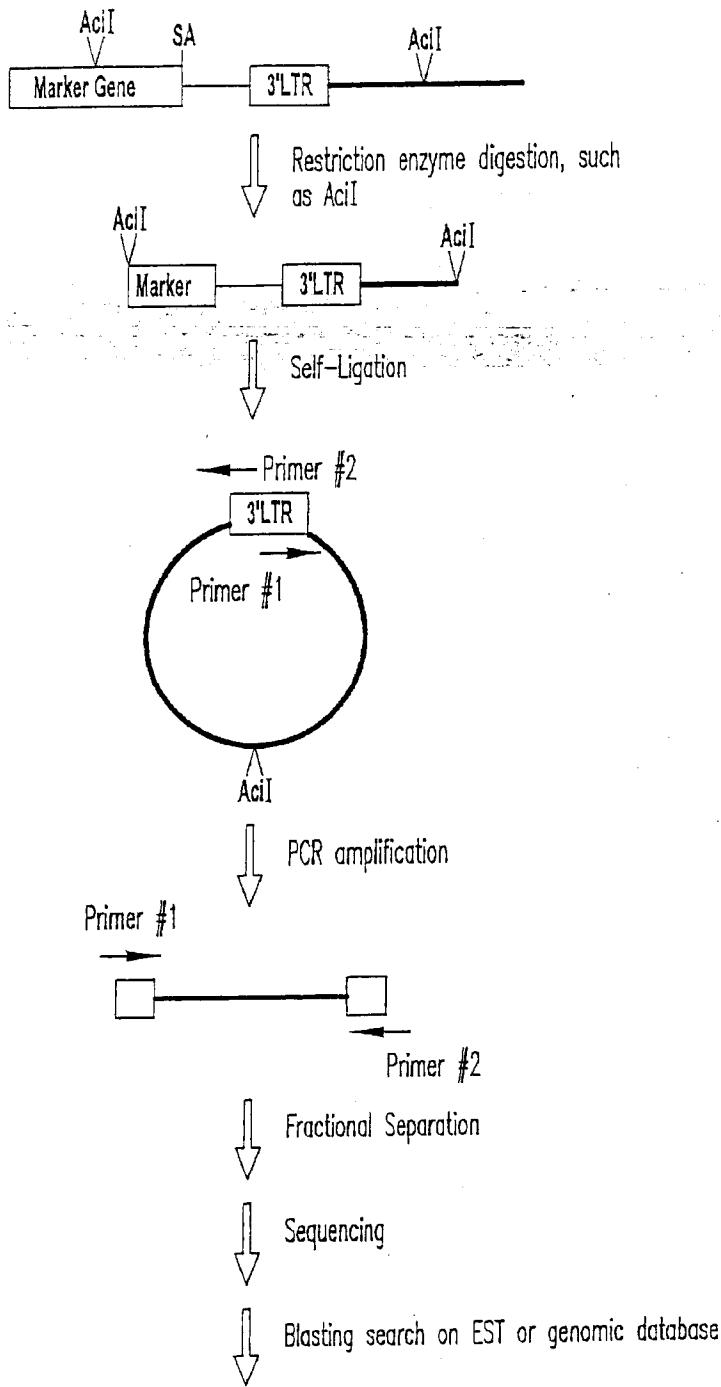


Fig. 15



Gene Expression Profiling Databases on target cells vs. counterpart

Fig. 16

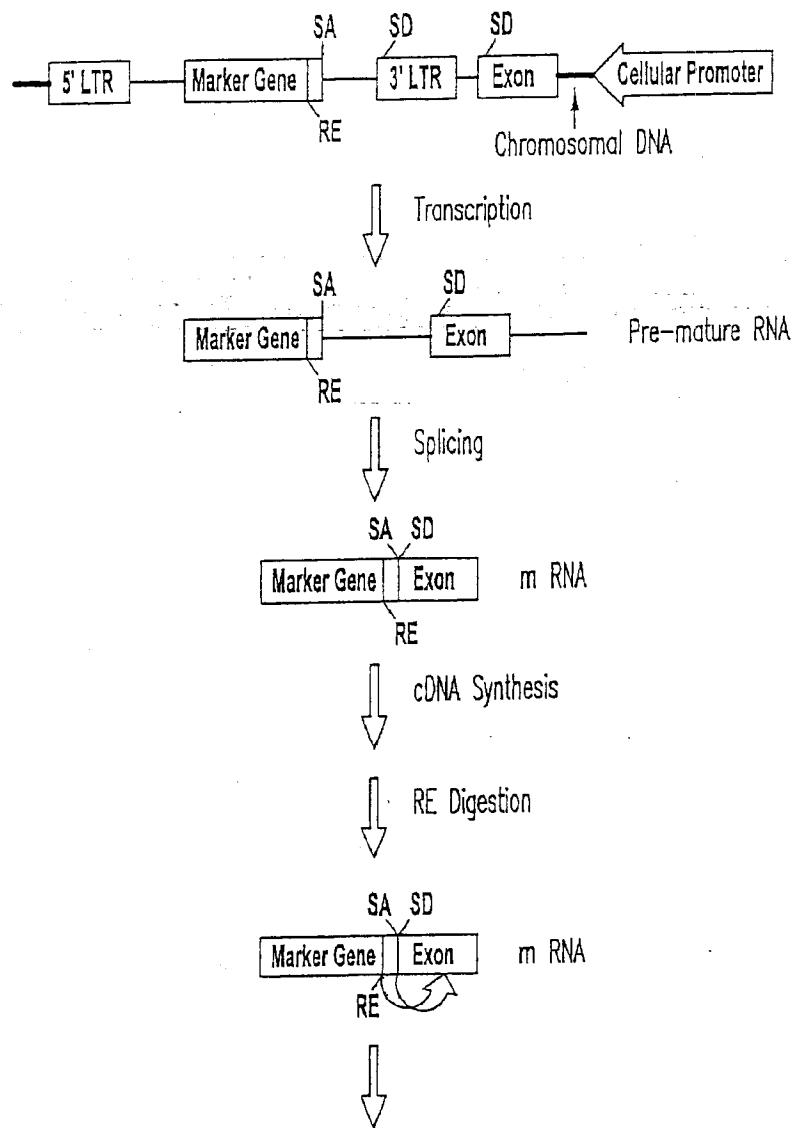


Fig. 17A

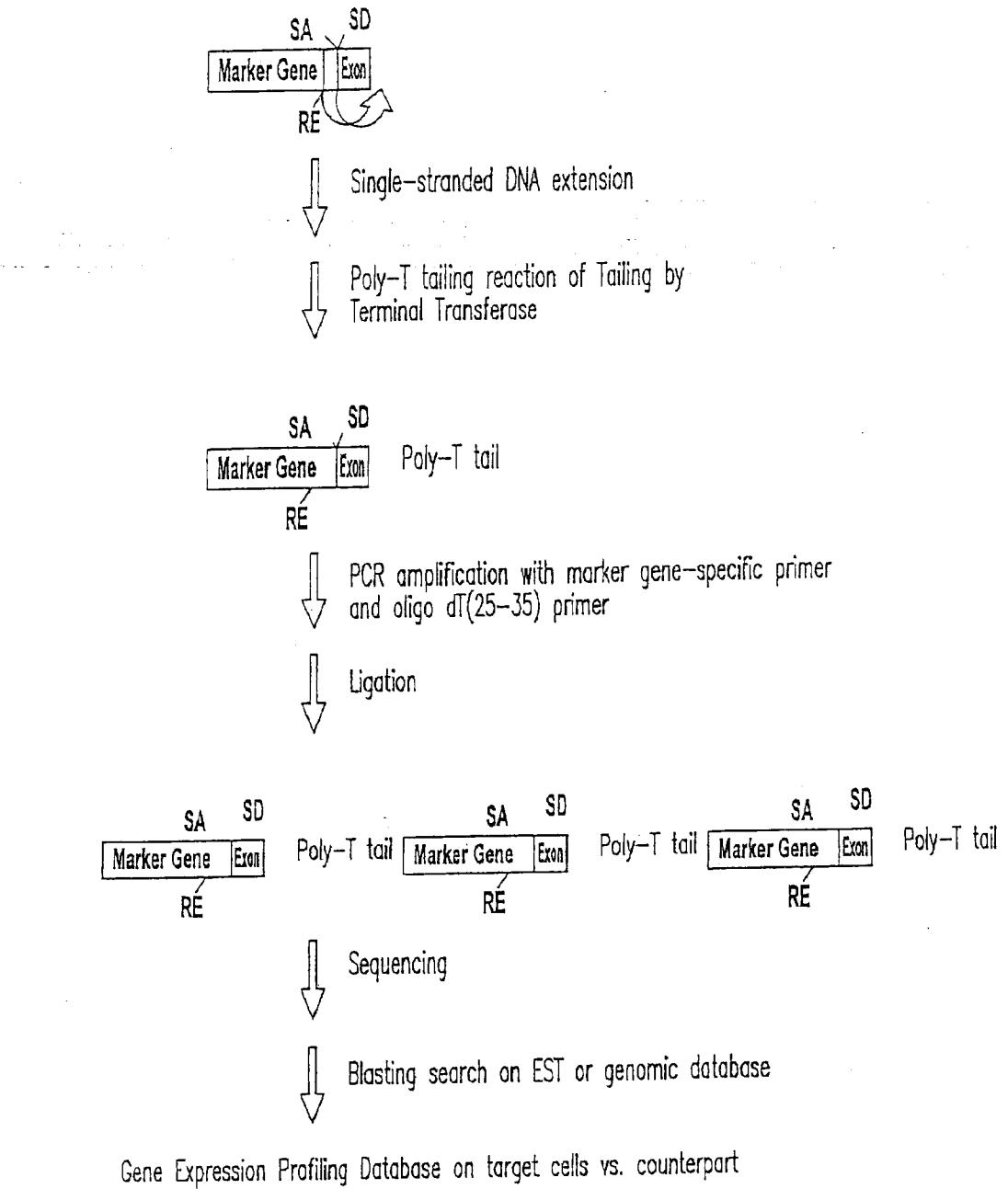


Fig. 17B

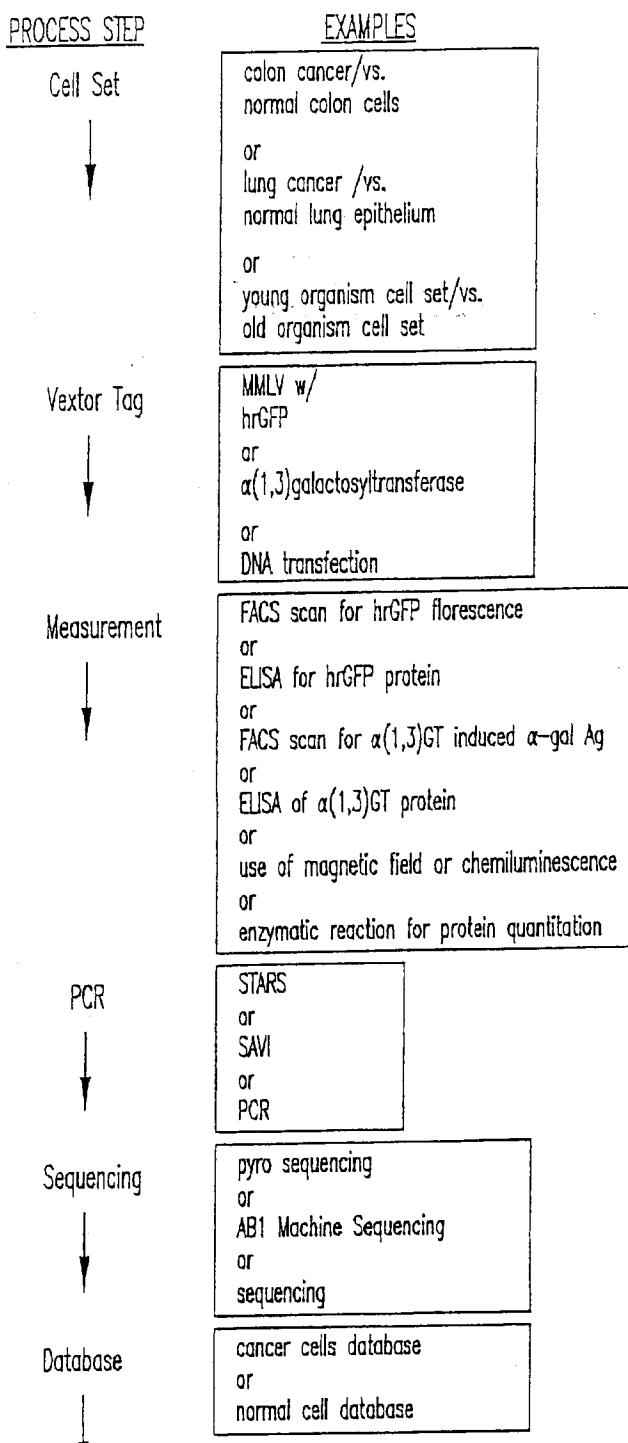


Fig. 18A

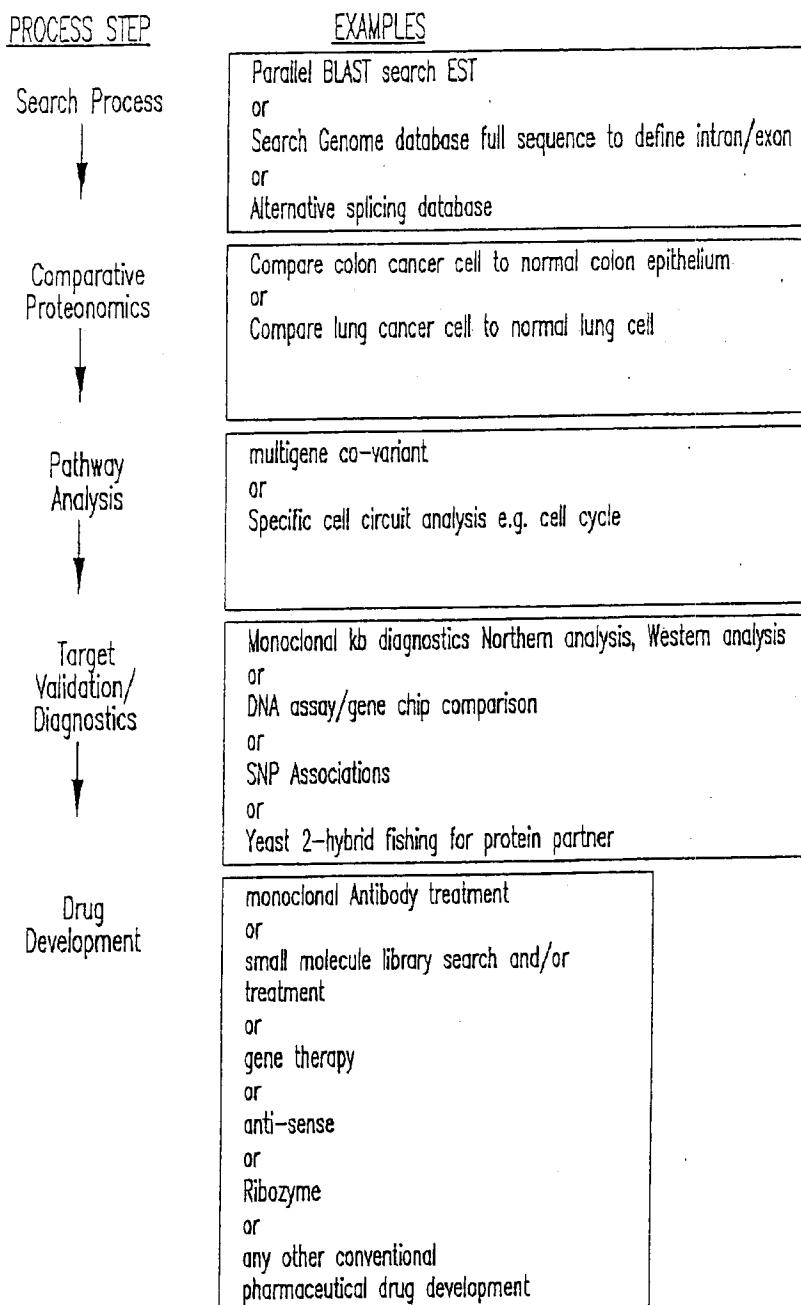


Fig. 18B

5' SAVI

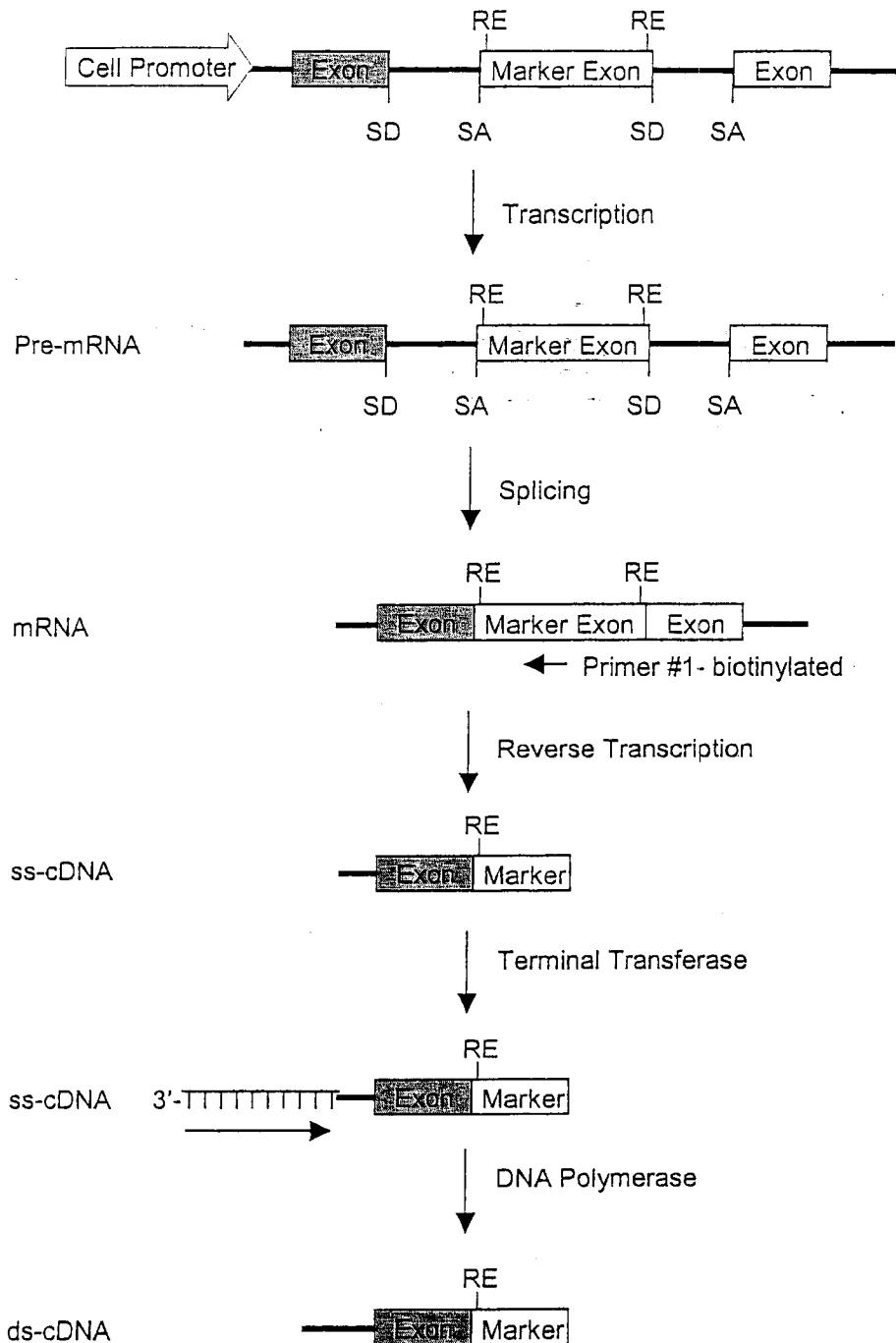


Fig. 18C

5' SAVI – cont.

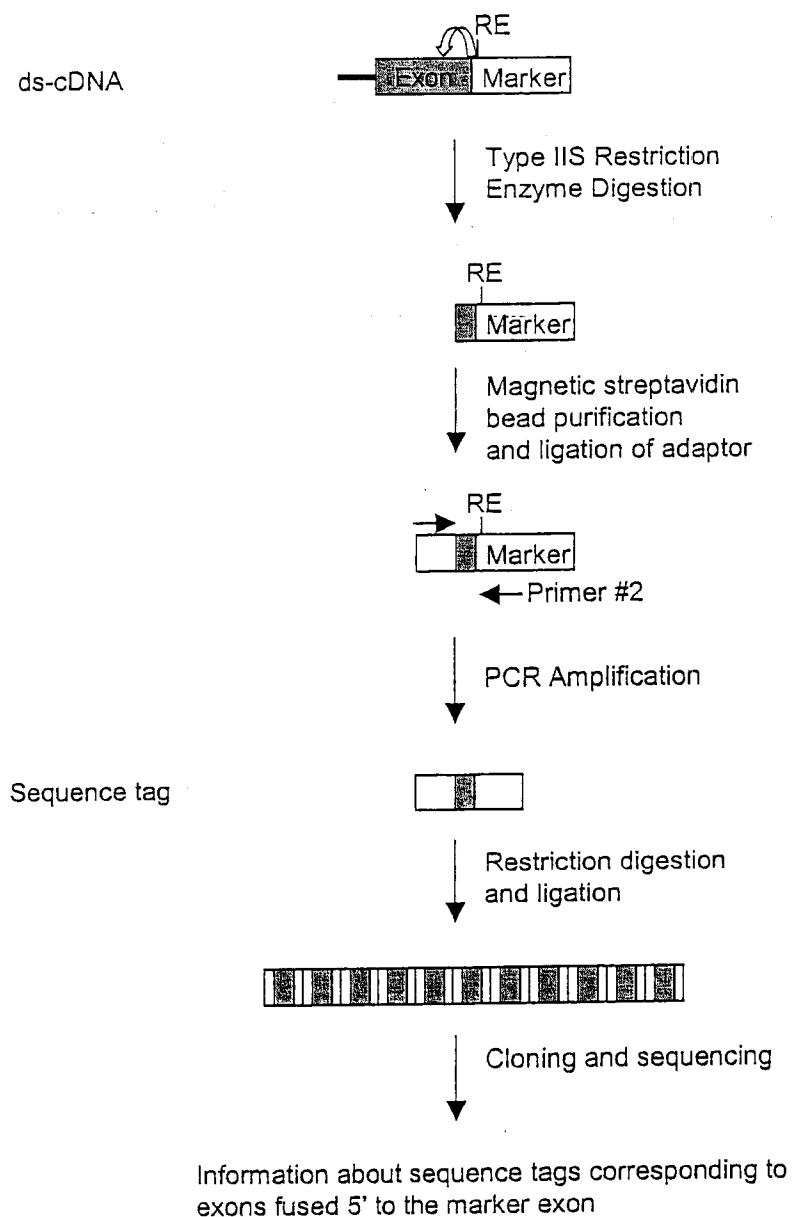


Fig. 18D

3' SAVI

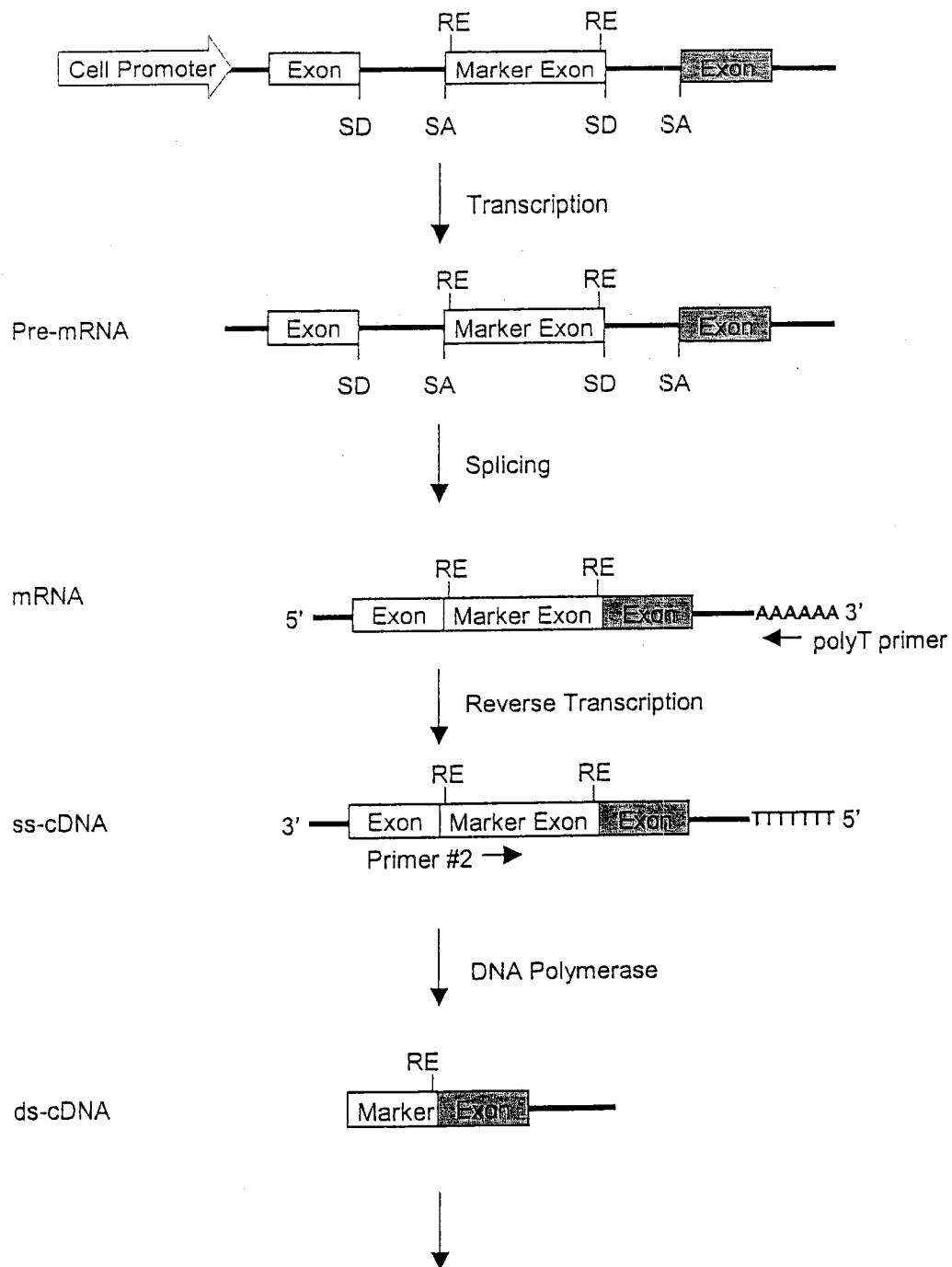


Fig. 18E

3' SAVI – cont.

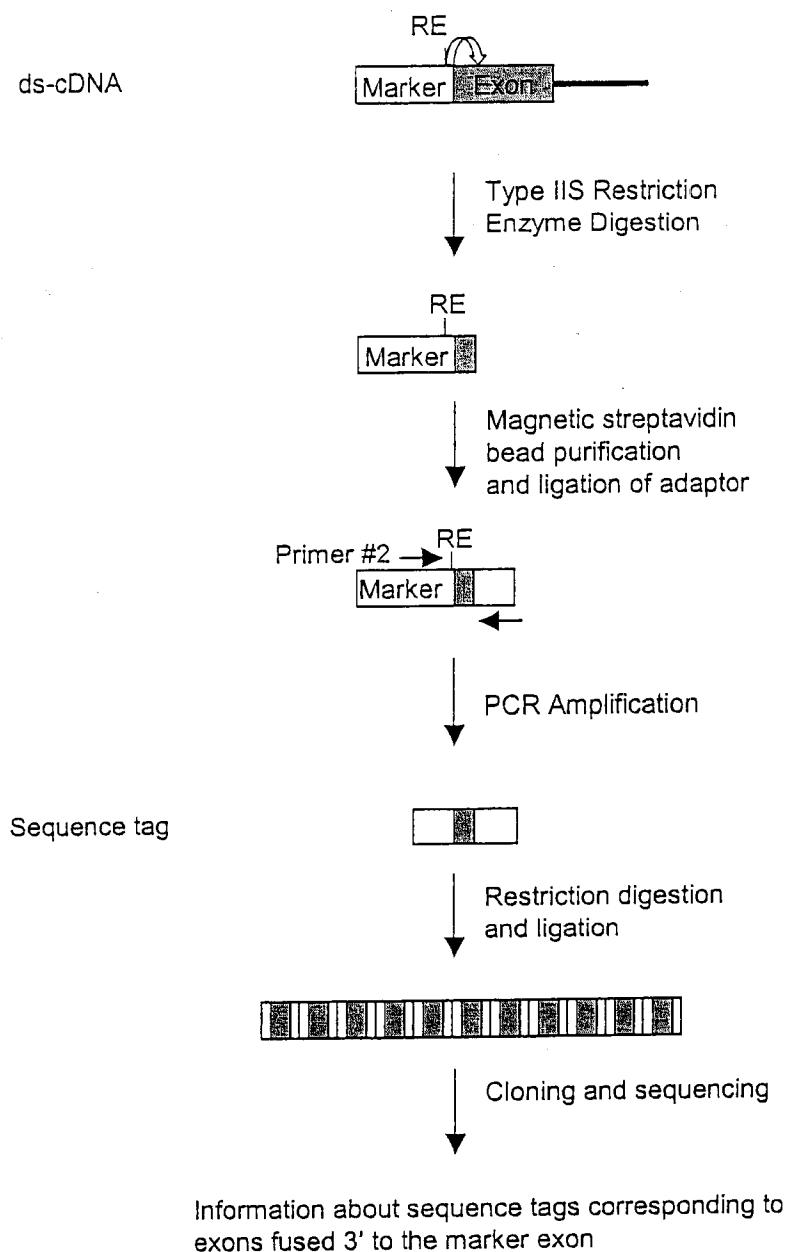


Fig. 18F

SAVI

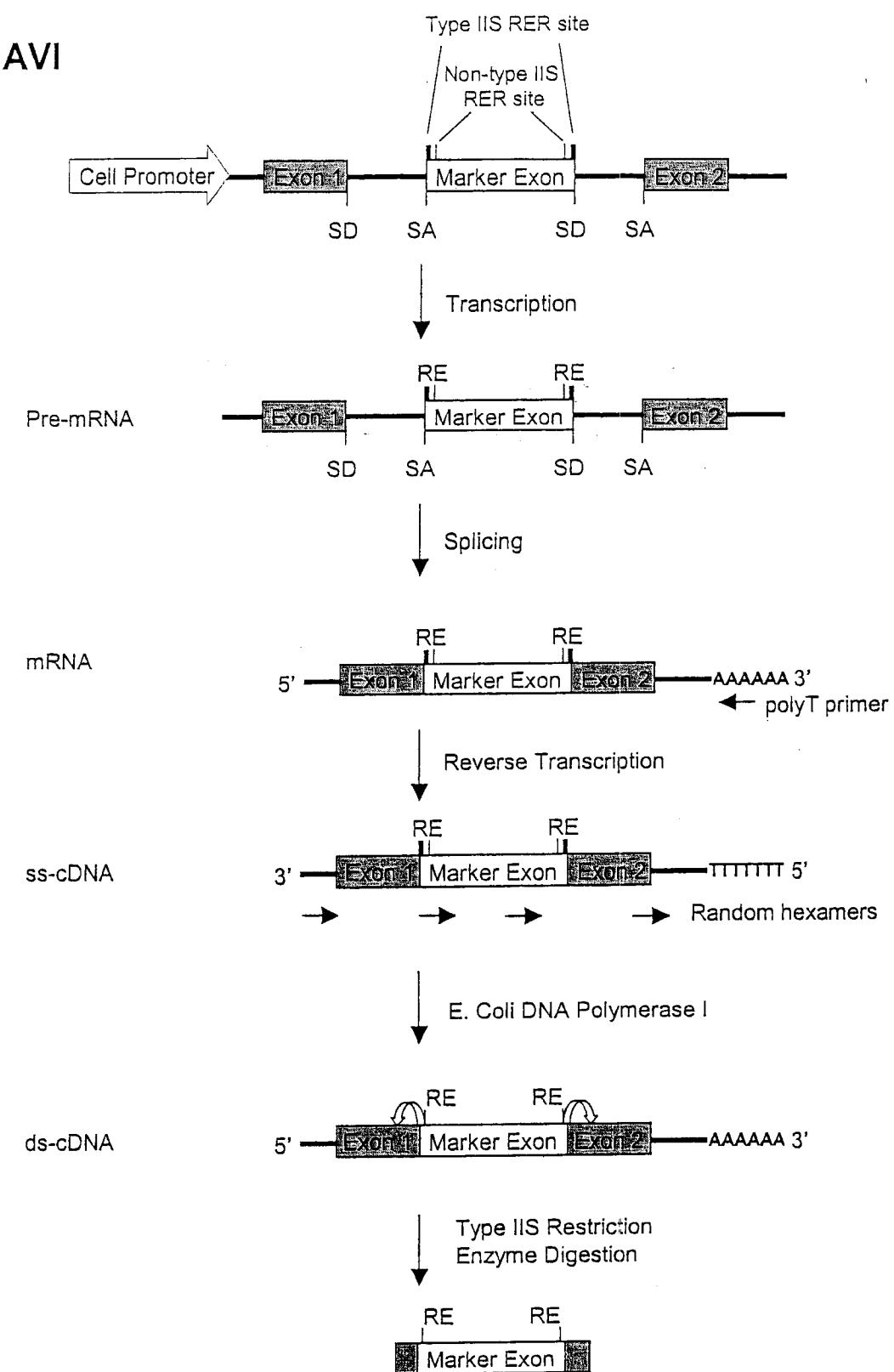


Fig. 18G

SAVI – cont.

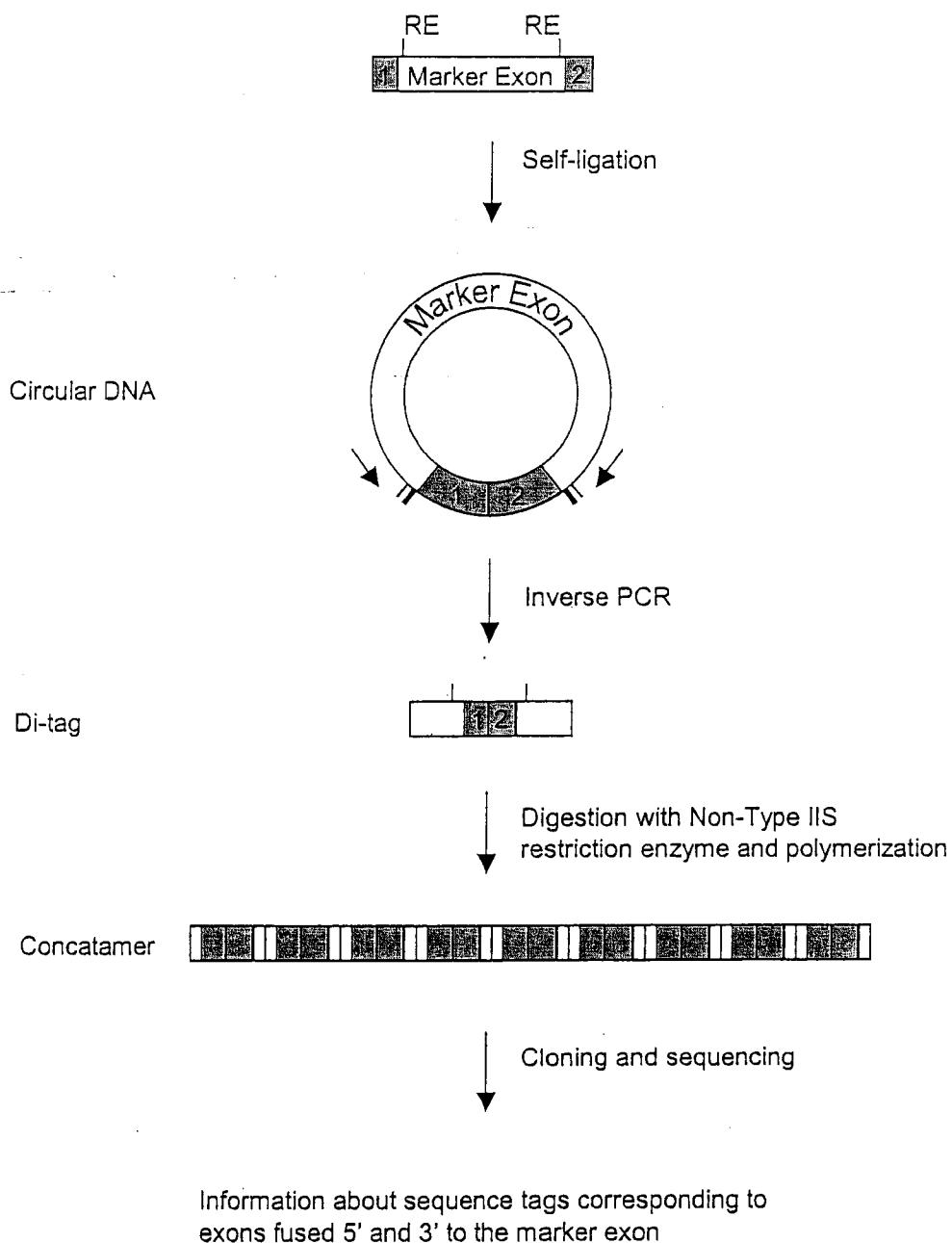


Fig. 18H

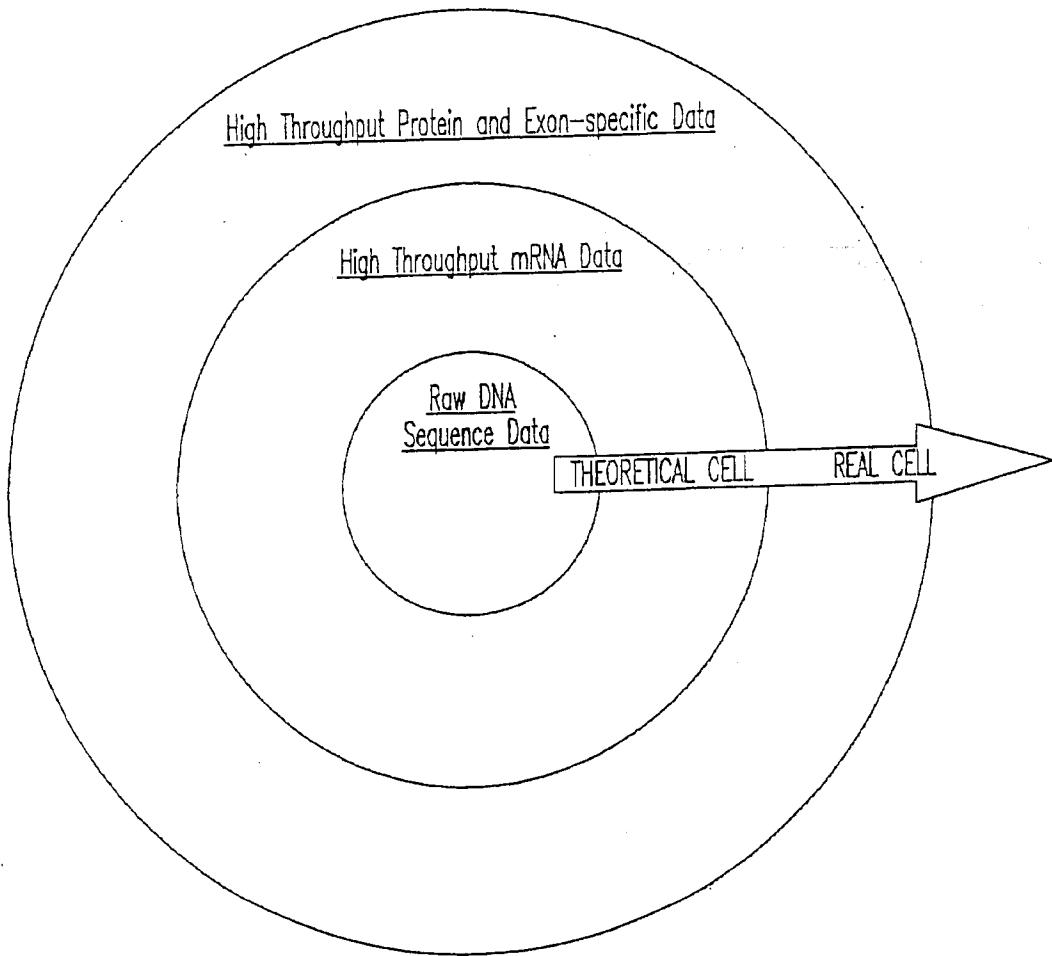


Fig. 19

Validation sequence/Splicing junction

1 ttnccngaa aagctcctcg cccttgcata ccatggatg ccatttcata ggtctgcctc

61 ttggccgttt ttctccaatg gtctctgttt tcttctgggc tgcttttagag gggctcttgt

121 ttttgcgtcc tttgggtctt cctctgggtc tcttaggaga gggctcacag gttggctctt

181 gctgctgtttt cctgggttcgg ccgcgtctc gtttctgtgg caccggggcg gcagggttgc

241 cctgggtctga tggacggc tgcccgccgc cctcacccgc tgctgtcata ctgcctcccg

301 cggccgtac cactgcctat cttttttttt tttttttttt tttttgaaaan ccccggnnnn

361 nnnnnnnnnnnnnnnnc

NcoI cloning site Gene trapped exon of HMGI-C gene

Oligo-dT primer EcoRI cloning site

Fig. 20

Validation sequence/Splicing junction

1 tcngcgacca nctccatgcc cttgtctacc atggatgtat cccgggtggg ggtcggtggt

NcoI Gene trapped-exon
cloning site

61 ccctgggcag gggtctccaa atcccgacg agcccccaaa tgaaanaccc ccgtcntggg

121 tagtcaatca ctcagaggag accctcccaa ggaacagcga gaccactttt cggatgcana

181 cagcaagagg ctttatttggg aatncgggtt cccggggcgcac ncantctatc nagaagactgg

241 cgttattttt tttttttttt ttttttgaat tncctngggac anccnnctna gnnntanctnc

Oligo-dT EcoRI
primer cloning site

301 nctntnnnct nccctccctta cttctnnntnt ntn

Fig. 21

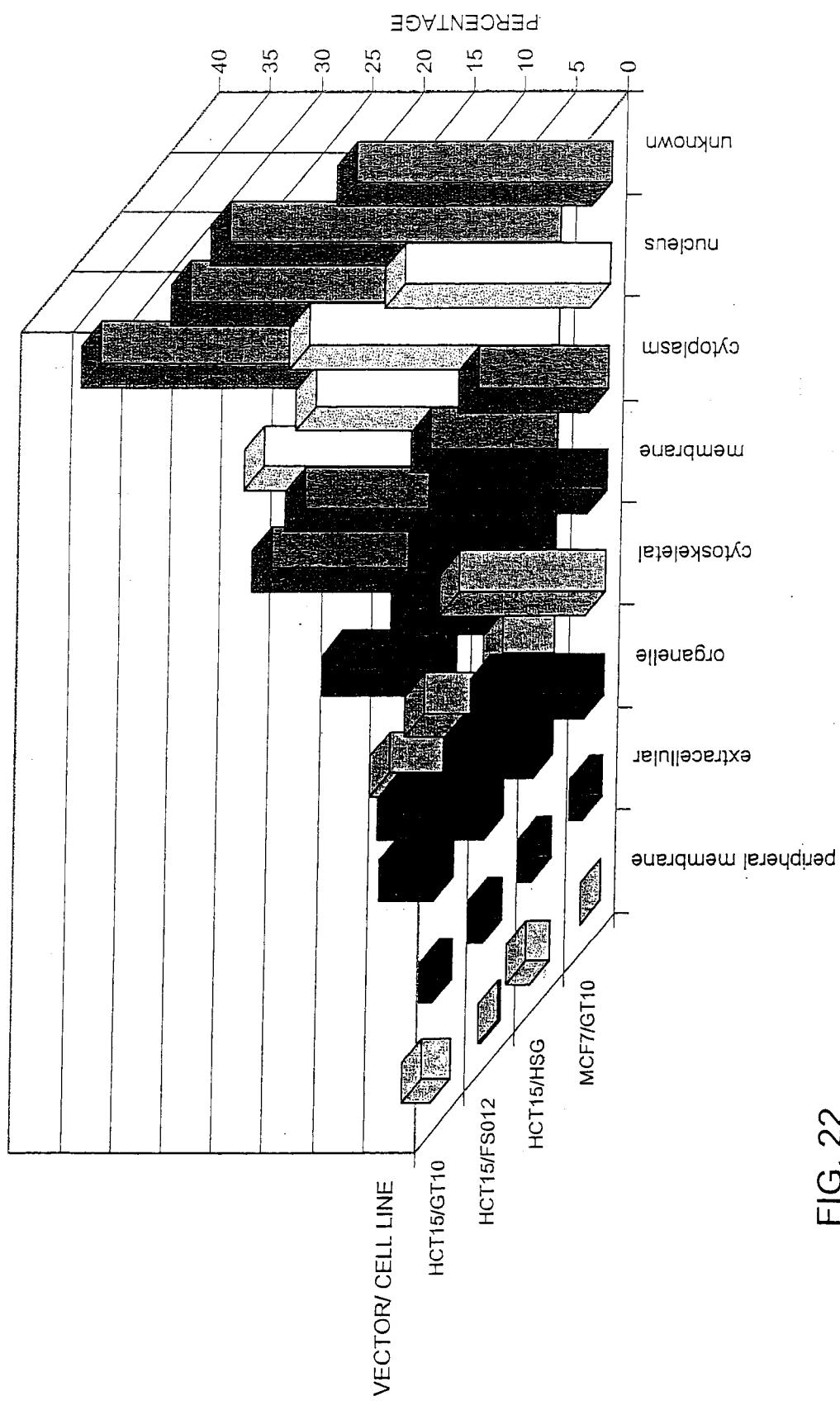


FIG. 22

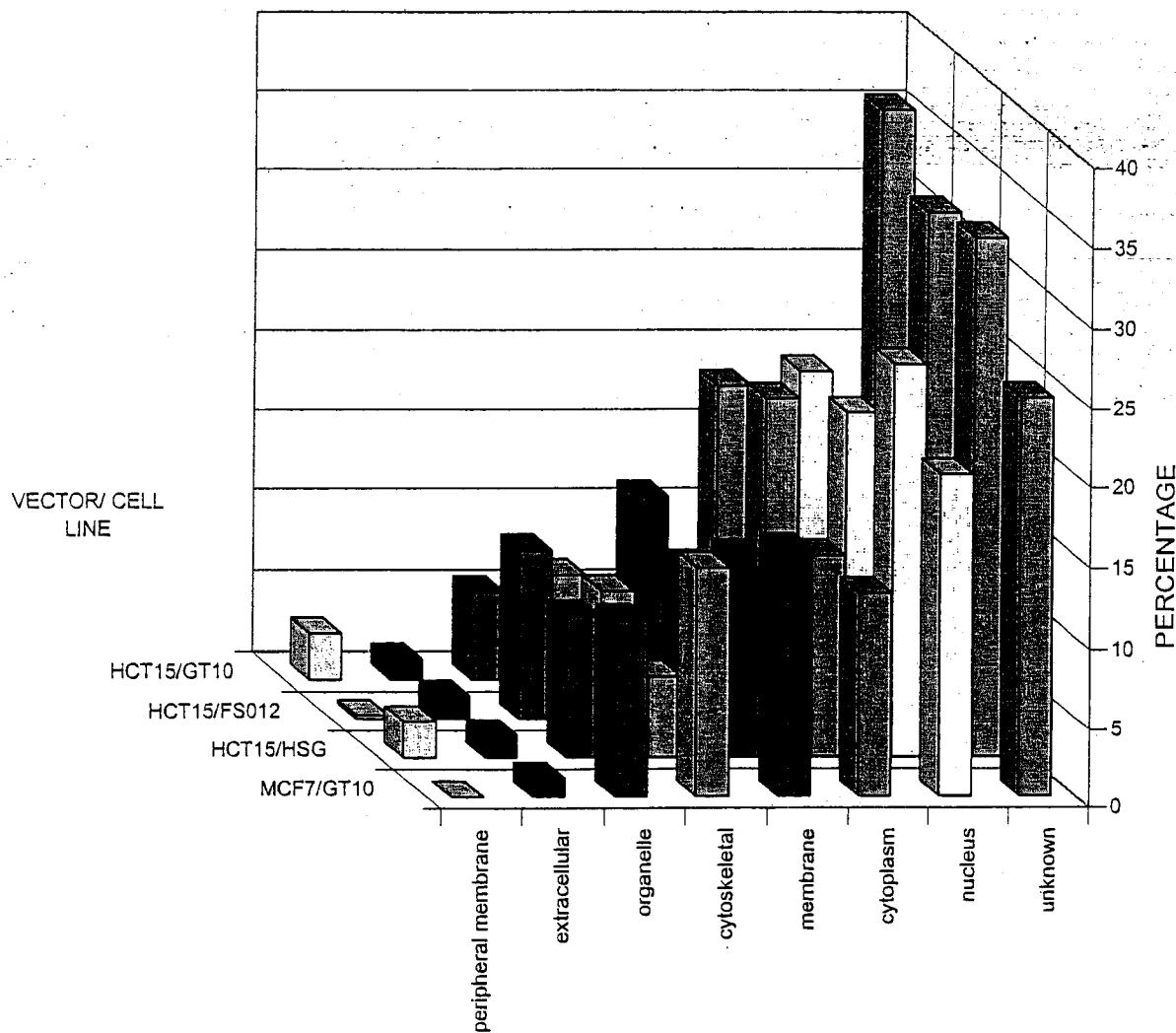


FIG. 23

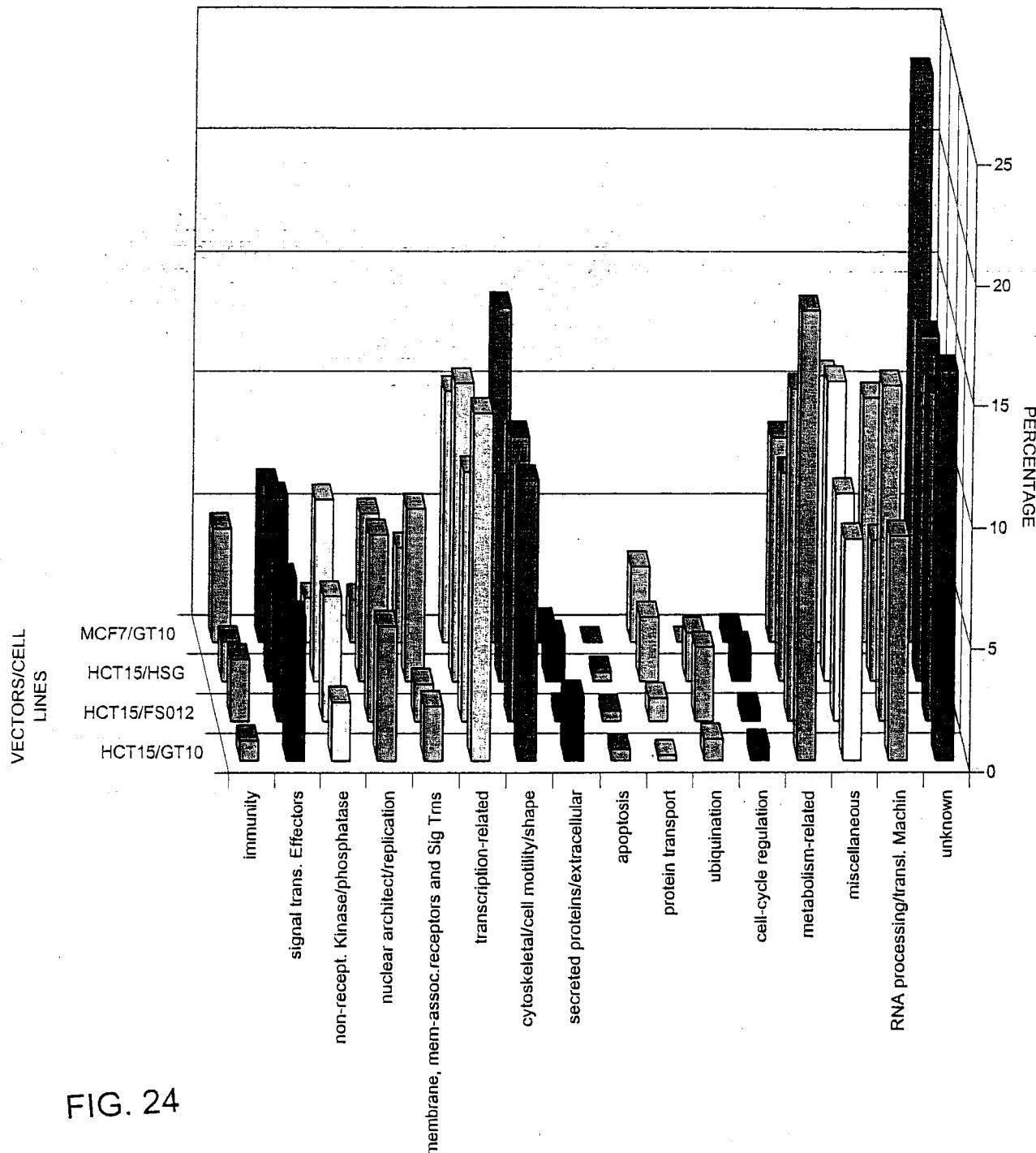


FIG. 24

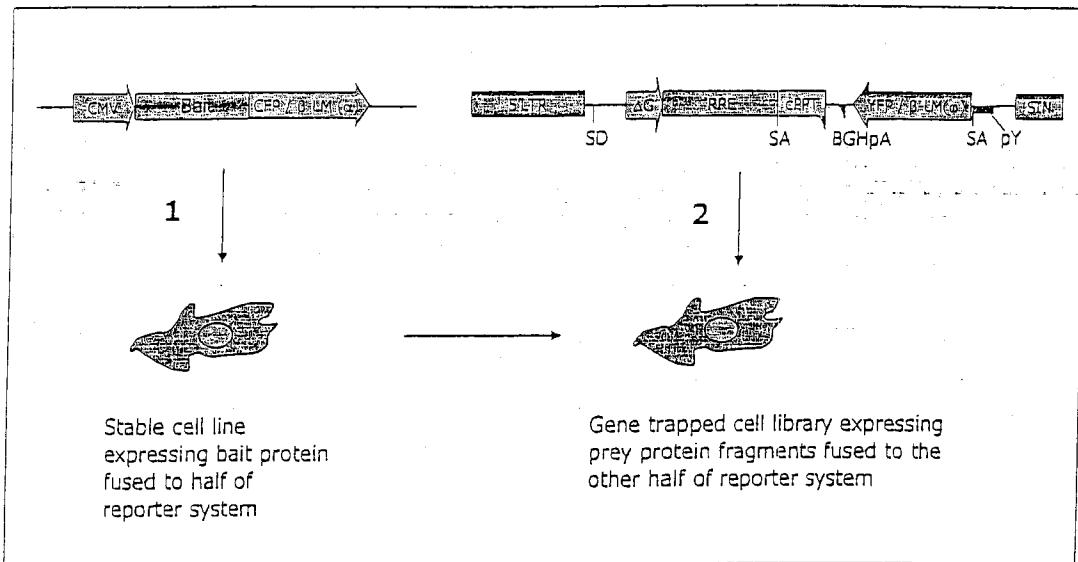


Fig. 25A

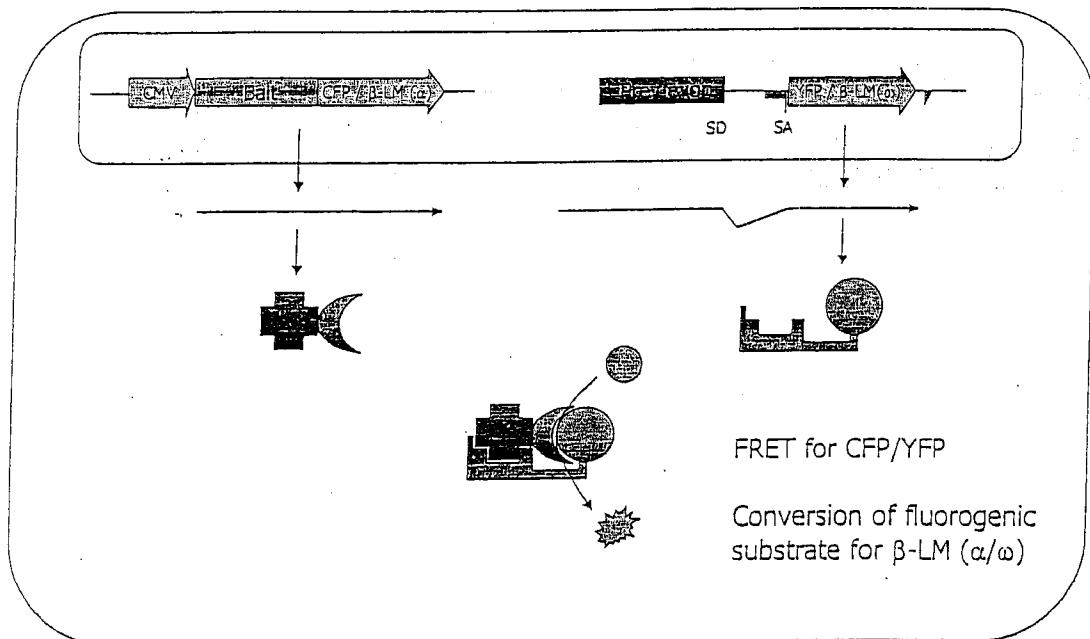


Fig. 25B